

BASELINE SITE ASSESSMENT

**Chevron Service Station No. 9-3415
4500 Park Boulevard
Oakland, California 94602**

**Prepared for:
Chevron Environmental Management Company**

November 10, 2006

SECOR Project No. 04CH.93415.00



l e t t e r o f t r a n s m i t t a l

Date: November 10, 2006

Attention: Mr. Don Hwang

Agency: Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

From: Johnny Ta /H.D. (Skip) Pouncey

Subject: FINAL Baseline Site Summary Report
Chevron Station No. 9-3415
4500 Park Boulevard
Oakland, California

Enclosed:

- | | | | |
|-------------------------------------|--------------|-------------------------------------|------------------|
| <input type="checkbox"/> | Proposal | <input type="checkbox"/> | As Requested |
| <input type="checkbox"/> | Contract | <input type="checkbox"/> | For Review |
| <input type="checkbox"/> | Draft Report | <input checked="" type="checkbox"/> | Your Information |
| <input checked="" type="checkbox"/> | Final Report | <input type="checkbox"/> | Approval |
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Comments:

Attached please find a copy of the final Baseline Site Assessment Report for Chevron Station 9-3415, located at 4500 Park Boulevard, Oakland, California. This report is being provided per Chevron Property Transfer procedures. The Chevron Project Manager for this site is Satya Sinha.

The Baseline findings at the existing fuel USTs and piping; former and existing used oil USTs; and existing hydraulic lifts appear consistent with residual concentrations reported at the Site for the previously closed case or reported at low concentrations below applicable action levels. Therefore an unauthorized release was not filed.



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November 10, 2006

Mr. Dana Thurman
Chevron Environmental Management Company
6001 Bollinger Canyon Road, K2236
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RE: BASELINE SITE ASSESSMENT
Chevron Station No. 9-3415
4500 Park Boulevard, Oakland, California
SECOR Project No.: 04CH.93415.00

Dear Mr. Thurman:

At the request and authorization of Chevron Environmental Management Company (CEMC), SECOR International Incorporated (SECOR) has completed a Baseline Site Assessment at Chevron Service Station No. 9-3415 located at 4500 Park Boulevard, in Oakland, California (the Site). A Site Location Map is included as Figure 1 of the attached report. This Baseline Site Assessment was conducted in accordance with established Chevron guidelines for Environmental Risk Evaluation Guide for Property Transactions: Sites with Underground Storage Tanks (USTs) and SECOR's Proposal for Baseline Site Assessment, dated August 2, 2006. The purpose of the assessment was to summarize existing data on soil and groundwater and obtain additional data on soil and groundwater quality prior to the completion of a proposed property transaction.

A brief discussion of the findings of SECOR's subsurface investigation and associated historical research for the Site and surrounding properties is presented in the following executive summary.

EXECUTIVE SUMMARY

The Site, a Chevron retail gasoline service station, is located at 4500 Park Boulevard at the southeast corner of Park Boulevard and Everett Street in Oakland, California. This is an active Chevron station.

The most current map of the Site provided by Chevron Environmental Management Company (CEMC) is a Site Plan that illustrates the presence of three underground storage tanks (USTs), three dispenser islands. Other documents provided by CEMC report the three USTs are 10,000-gallon fiberglass, used for gasoline with associated piping (double wall fiberglass). There are two buildings on the Site; one is a small pay booth (kiosk) at the northeastern dispenser; and a service station building with two hydraulic lifts and a used oil UST documented to be 550 gallon, double wall fiberglass. The gasoline USTs are located at the northwestern portion of the Site and aligned northeast to southwest (parallel to Park Boulevard). The dispensers are aligned the same. The Site is four sided and square shaped. The current structures are shown on the attached Site Map, Figure 2.

Review of the State of California Water Resources Control Boards (SWRCB) GeoTracker database shows the Site is a closed environmental case that was opened on November 28, 1994 due to a release of gasoline and was closed February 7, 2002 (SWRCB, 2006).

Nine exploratory soil borings (BA-1 through BA-6; and BA-8 through BA-10) were advanced by Gregg Drilling under SECOR's supervision from October 2 through 6, 2006, at the locations illustrated on attached Figure 2. The existing structures assessed included three 10,000-gallon, fiberglass gasoline underground storage tanks (USTs) (BA-1 and BA-2); three dispenser islands (BA-3 through BA-5); the used oil UST (BA-6); a former used oil UST (BA-8); and two hydraulic lifts (BA-9 and BA-10). The former used oil sump was not assessed due to underground utility conflicts (BA-7). Groundwater was not encountered, and therefore groundwater samples were not collected.

General lithologies encountered during SECOR's field investigation consisted of silty sand with some clay and gravel; and bedrock where drill refusal was encountered at varying depths. Groundwater was not encountered to the maximum explored depth of 30 feet bgs.

Chemical analysis of select soil samples by EPA Test Method 8260B showed total petroleum hydrocarbons as gasoline range organics (TPH-GRO) was detected in four of ten soil boring samples (or two of five borings, BA-2 and BA-3). The maximum concentration of 120 milligrams per kilogram (mg/kg) was detected in soil collected from boring BA-2, located north of the existing (and former) USTs and product lines at a depth of 15 feet bgs. The soil sample was subsequently analyzed for lead, which was detected at a concentration of 8.31 milligrams per kilogram (mg/kg). TPH-GRO was not detected in soil samples analyzed from boring BA-1, BA-4 and BA-5.

Benzene, toluene, ethylbenzene, and total xylenes (BTEX) were not detected above the laboratory reporting limits in the soil samples analyzed, with the exception of ethylbenzene reported in BA-2; and xylene reported in BA-2 and BA-3. The maximum concentrations were reported in soil sample BA-2-15, located north of the existing (and former) USTs and product lines, with 0.023 mg/kg ethylbenzene and 0.024 mg/kg xylene.

Fuel oxygenates Methyl tert-butyl ether (MTBE), Tert-butanol (TBA), tert-amyl methyl ether (TAME), Ethyl tertiary-butyl ether (ETBE), di-isopropyl ether (DIPE), 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC) and ethanol were not detected above the laboratory reporting limits in any soil samples analyzed.

Chemical analysis of select soil samples by EPA Test Method 8015B showed total petroleum hydrocarbons as gasoline range organics (TPH-GRO), diesel range organics (TPH-DRO) and oil range organics (TPH-ORO) was detected in two of four soil boring samples (or two of two borings, BA-6 and BA-8). The maximum concentration of TPH-GRO, -DRO and -ORO of 47 mg/kg, 310 mg/kg and 2,200 mg/kg, respectively, was detected in soil collected from boring BA-6, located south of the existing (and former) used oil UST at a depth of 25 feet bgs. TPH-ORO of 22 mg/kg was also detected in sample BA-8-20, located at the former used oil UST. The soil samples, BA-6-25 and BA-8-20 were subsequently analyzed for volatile organic compounds (VOCs) using EPA Test Method 8260B and for Title 22 Metals. The VOC results reported for sample BA-6-25 were 0.16 mg/kg acetone, 0.002 mg/kg tetrachloroethene, 0.003 mg/kg n-propylbenzene, 0.005 mg/kg tert-butylbenzene and no other compounds detected; for sample BA-8-20 were 0.011 mg/kg acetone and no other compounds detected. The VOC and Title 22 metal concentrations reported for samples BA-6-25 and BA-8-20 are presented in Table 3.

Chemical analyses of soil samples collected from the existing (former) hydraulic lift borings for TEPHs as DRO and ORO using EPA Test Method 8015B, reported detectable concentrations in two of four samples (or one of two borings, BA-10). Samples collected from boring BA-10 at 10 and 14 feet depth, reported 12 mg/kg and 11 mg/kg of TPH-ORO, respectively, and non-detectable TPH-DRO. The sample reporting the

highest TPH concentration above 10 mg/kg, sample BA-10-10 was analyzed and reported non-detectable concentrations of PCBs by EPA Test Method 8082.

The Site is located in the overall San Francisco Bay Hydrologic Region, Santa Clara Valley and within the Alameda Bay Basin Plain or East Bay Plain Groundwater Basin (Department of Water Resources [DWR], 1980, 2003 and California Regional Water Quality Control Board – San Francisco Region [CRWQCB], 2004). The regional topographic gradient is southwest towards the San Francisco Bay (USGS, 1993).

Information provided by EDR, shows that there are seven groundwater wells located within a one-mile radius of the Site. Of these seven wells, all seven are from EDR's Aquiflow database of probable monitoring wells. Based on information provided by the State of California Water Resources Control Board (SWRCB) GeoTracker Database there are no water wells estimated to be nearby (within ~1/4 mile) this Site. Based on the findings, wells are not anticipated to be a receptor.

Three potential sensitive receptors were identified in the EDR data base report, USGS maps, Thomas Guide maps, Internet searches and /or during visual inspection of neighboring properties. Two schools or daycare centers located within a 1/4 mile radius of the Site in various directions; and the closest surface water body is the Central Reservoir located less than 3/4-mile south-southwest (potentially down-gradient).

One of the two schools or daycare centers is located topographically in a cross gradient direction, and therefore considered less likely to be a receptor. Based on the distance of the surface water body, it is also considered less likely to be a potential receptor.

The EDR search of regulatory agency databases identified no property, within a 1/4-mile radius of the Site, with a release that could impact soil and/or groundwater beneath the Site.

Historic files reviewed by SECOR appear to show that the Site has been occupied by an operating retail gasoline station: a first generation identified as early as 1933 and through 1956; and a second generation identified during 1956 to present. The first generation was identified by a 1933 City Directory reference "Warner JOS T GAS STA," and aerial photograph dated 1946 and possibly 1939 (barely discernable); and Sanborn Maps dated 1950 and 1952. A second generation was identified on a Standard Oil Company Corrected Ground and Piping Plan, dated September 7, 1956; a Sanborn Map dated 1957; and aerial photographs dated 1959 to 1998 and present. According to Sanborn Maps, the Site was previously depicted vacant land in 1912 that was subdivided into two parcels; in 1928 the NE half of the Site was depicted as a dwelling and the SW half was depicted as a vacant (EDR, 2006b, d & e).

A historical city directory search for the Site address provided by EDR shows the Site first listed as "Warner JOS T GAS STA," in 1933; a Texaco Service Station in 1943, 1945 and 1950; and first listed as a Chevron Station, "Marshall J Chevron STA," in 1967 (EDR, 2006e).

A review of the EDR historical list reports four Historical Cleaner Site listings within a 1/4 mile radius of the Site. The closest of these were located >3/16 mile west-southwest (potentially down-gradient) and are tabulated in Section 3.3.1. Current database indicates the closest dry cleaner's is located greater than 1/4 mile. Based on the distance and direction, current and past dry cleaners do not appear to be of environmental concern.

Mr. Dana Thurman
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During the time frame of March 31, 1982 to May 12, 2006, this current gas station configuration has record of two generations of gasoline USTs and three generations of a used oil UST and documented passing integrity testing. On August 10, 2006, the fuel UST system, product lines and used oil UST passed integrity testing performed for divestment purpose.


Chevron Loss Prevention Division reported no records were found in Chevron's historical spill/leak databases for this site.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may alter with time; consequently, the findings presented herein are subject to change.

SECOR appreciates the opportunity to work on this investigation project. Should you have any questions concerning the information provided herein or in the accompanying report, please contact the undersigned at (909) 335-6116 or Cathy Von Euw at (651) 653-9112.

Respectfully,
SECOR International Incorporated

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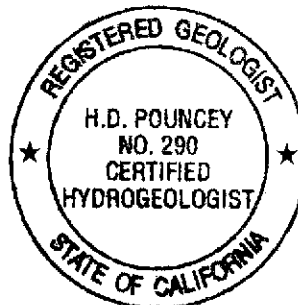


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1.0 INTRODUCTION

This report documents the procedures and results from a Baseline Site Assessment completed by SECOR International Incorporated (SECOR) for Chevron Service Station No. 9-3415 (the Site) located at 4500 Park Boulevard in Oakland, California. The Site Location Map (Figure 1) indicates the location of the Site with respect to nearby identifiable features and roadways.

Nine exploratory soil borings (BA-1 through BA-6; and BA-8 through BA-10) were advanced by Gregg Drilling under SECOR's supervision from October 2 through 6, 2006, at the locations illustrated on attached Figure 2. The existing structures assessed included three 10,000-gallon, fiberglass gasoline underground storage tanks (USTs) (BA-1 and BA-2); three dispenser islands (BA-3 through BA-5); the used oil UST (BA-6); a former used oil UST (BA-8); and two hydraulic lifts (BA-9 and BA-10). The former used oil sump was not assessed due to underground utility conflicts (BA-7). Groundwater was not encountered, and therefore groundwater samples were not collected.

SECOR's work at the Site was conducted in general accordance with established Chevron guidelines for Property Transfer: Baseline Assessment Process. The purpose of the assessment was to obtain additional data on soil and groundwater quality prior to the completion of a proposed property transaction.

1.1 CURRENT AND HISTORIC SITE DESCRIPTION AND OPERATIONS

The Site, a Chevron retail gasoline service station, is located at 4500 Park Boulevard at the southeast corner of Park Boulevard and Everett Street in Oakland, California. This is an active Chevron station.

The most current map of the Site provided by Chevron Environmental Management Company (CEMC) is a Site Plan that illustrates the presence of three underground storage tanks (USTs), three dispenser islands. Other documents provided by CEMC report the three USTs are 10,000-gallon fiberglass, used for gasoline with associated piping (double wall fiberglass). There are two buildings on the Site; one is a small pay booth (kiosk) at the northeastern dispenser; and a service station building with two hydraulic lifts and a used oil UST documented to be 550 gallon, double wall fiberglass. The gasoline USTs are located at the northwestern portion of the Site and aligned northeast to southwest (parallel to Park Boulevard). The dispensers are aligned the same. The Site is four sided and square shaped. The current structures are shown on the attached Site Plan. The current structures are shown on the attached Site Map, Figure 2.

A station configuration map titled Corrected Ground and Piping Plan; dated September 7, 1956 from Standard Oil Company of California Western Operations, Inc. (Standard Oil), shows essentially the same automotive service station layout with previous gasoline USTs; used oil UST; and product piping. The previous gasoline USTs included a 3,000 gallon Supreme (north); a 5,000 gallon Supreme (middle); and a 5,000 gallon Chevron and were aligned the same and located at the same location as the present gasoline USTs. The previous used oil UST was shown to be located at the southern side of the service station or around the corner from the existing used oil UST; and with a line extending to a sump at the southwest corner of the building. The previous piping and dispensers appear similar layout as present with the exception of a kiosk building not shown. The previous Site features are shown on the attached Site Plan.

Historic files reviewed by SECOR appear to show that the Site has been occupied by an operating retail gasoline station: a first generation identified as early as 1933 and through 1956; and a second generation identified during 1956 to present. The first generation was identified by a 1933 City Directory reference "Warner JOS T GAS STA," and aerial photograph dated 1946 and possibly 1939 (barely discernable); and Sanborn Maps dated 1950 and 1952. A second generation was identified on a Standard Oil Company Corrected Ground and Piping Plan, dated September 7, 1956; a Sanborn Map dated 1957; and aerial photographs dated 1959 to 1998 and present. According to Sanborn Maps, the Site was previously depicted vacant land in 1912 that was subdivided into two parcels; in 1928 the NE half of the Site was depicted as a dwelling and the SW half was depicted as a vacant (EDR, 2006b, d & e).

According to a review of selected topographic maps of the Site vicinity dated 1915 to 1980, the Site was depicted to be within a developed area (EDR, 2006c).

A historical city directory search for the Site address provided by EDR shows the Site first listed as "Warner JOS T GAS STA," in 1933; a Texaco Service Station in 1943, 1945 and 1950; and first listed as a Chevron Station, "Marshall J Chevron STA," in 1967 (EDR, 2006e).

1.2 REGIONAL AND LOCAL GEOLOGY

The Site is located in Oakland in Alameda County. Surface deposits in this area have been mapped as Holocene (Recent) alluvium and Franciscan Formation bedrock (California Division of Mines and Geology [CDMG], 1961).

General lithologies encountered during SECOR's field investigation consisted of silty sand with some clay and gravel; and bedrock where drill refusal was encountered at varying depths. Groundwater was not encountered to the maximum explored depth of 30 feet bgs.

The Site is at an elevation of approximately 310 feet above mean sea level. The topographic gradient is southwest towards the San Francisco Bay.

The closest known active faults include the Hayward fault located approximately one mile northeast. The Site is not located within an Alquist-Priolo Earthquake Fault Zone boundary (CDMG, 1994 and 2000).

SECOR reviewed oil field maps provided by the California Division of Oil and Gas (DOG) in an effort to determine if the Site is located within an active oil field. Based on a review of DOG maps, the Site and vicinity are not located within an oil field. SECOR does not consider oil wells to be an environmental concern (DOG, 2000 and 2006).

SECOR reviewed the Geothermal Resources of California Map (CDMG, 1984) in an effort to determine if the Site is located within a geothermal resource area. Based on a review of the map, the Site is not within a geothermal resource area. SECOR does not consider geothermal activity to be an environmental concern.

1.3 REGIONAL AND LOCAL HYDROGEOLOGY

The Site is located in the overall San Francisco Bay Hydrologic Region, Santa Clara Valley and within the Alameda Bay Basin Plain or East Bay Plain Groundwater Basin (Department of Water Resources [DWR], 1980, 2003 and California Regional Water Quality Control Board – San Francisco Region [CRWQCB], 2004).

The regional topographic gradient is southwest towards the San Francisco Bay (USGS, 1993).

Groundwater was not encountered to the maximum explored depth of 30 feet bgs.

1.3.1 Groundwater Production Wells

Information provided by EDR, shows that there are seven groundwater wells located within a one-mile radius of the Site. Of these seven wells, all seven are from EDR's Aquiflow database of probable monitoring wells. The water wells that are located within a one-mile radius is summarized in the EDR Report attached as Appendix A.

Based on information provided by the State of California Water Resources Control Board (SWRCB) GeoTracker Database there are no water wells estimated to be nearby (within ~1/4 mile) this Site.

Groundwater Production Wells within a One-Mile Radius of the Site

Property Name and Address/Well ID	Source of Data	Database and Reason for Listing	Location Relative to Site	Distance and Direction From Property
1) None	EDR & Geotracker	N/A	N/A	N/A

Based on the findings, wells are not anticipated to be a receptor.

2.0 SITE BACKGROUND INFORMATION

Internal Chevron records reviewed by SECOR appear to show that the Site has been occupied by an operating retail gasoline station since at least 1956, based on historical survey maps and plans. Based on historical aerial photographs, Sanborn fire insurance maps and City Directories, the Site has been occupied with a service station since at least 1933.

Review of the State of California Water Resources Control Boards (SWRCB) GeoTracker database shows the Site is a closed environmental case that was opened on November 28, 1994 due to a release of gasoline and was closed February 7, 2002 (SWRCB, 2006).

2.1 PREVIOUS WORK

Soil Investigations

Environmental Assessment – 1987

Tank #4, a 1,000-gallon used oil UST, had failed precision testing and therefore was pumped out to avoid possible soil impact and in preparation of an isolation test. The results of the isolation testing indicated the remote fill needed to be removed; and following removal of the remote fill line the UST was retested and passed and restored to full usage. The location of the used oil UST and removed fill line was documented to be located on the west side of the station service building. A soil sample was obtained from beneath the remote fill product line and reported non-detectable (less than 30 milligrams per kilogram, mg/kg) concentrations of oil and grease by EPA Test Method 3550 and 58 mg/kg Total Petroleum Hydrocarbons (TPH) by EPA Test Method 3550/8015. The results were reported below acceptable standards [below action levels] (Blaine Tech Services, Incorporated, 1987).

Service Station Upgrade 1994 – Product Piping Upgraded and Used Oil UST Removed

A Site Plan dated September 1994 documents samples collected from the product piping removed and upgraded and the removed used oil UST (Touchstone, 1994).

During August and September 1994, the product lines were removed and upgraded and a 1,000-gallon single wall used oil UST was removed. Approximately 275 cubic yards (cy) of soil were reportedly removed from the used oil UST excavation. The location of the removed used oil UST was documented to be located on the west side of the station service building. Analytical results of soils sampled at 8.5 feet depth in the used oil UST excavation (samples WO1-8.5 & WO2-8.5) reported peak TPH-gasoline (TPH-g) of 440 mg/kg and peak TPH-diesel (TPH-d) at 1,500 mg/kg. Soil samples collected from piping trenches in the vicinity of the northern dispensers reported peak TPH-g of 8,200 mg/kg (P-1) and peak benzene 0.58 mg/kg (P-2) (in Groundwater Technology, Incorporated (GTI), 1995).

On November 28, 1994 an Unauthorized Release Report (URR) was filed as referenced in Geotracker (Geotracker, 2006).

Environmental Assessment – 1995 to 2002

On May 3 and 4, 1995, Groundwater Technology Incorporated (GTI), drilled four soil borings (MW-1

through MW-4) at the Site. Boring MW-3 was reportedly abandoned 2 feet depth due to UST backfill material encountered. Borings MW-1, MW-3 and MW-4 encountered bedrock (drilling refusal with hollow-stem auger) at 25 to 30 feet depth. Upper 4 to 5 feet were described as clay; then fine grained sandstone to maximum explored depths where refusal was encountered in either hard sandstone or metaquartzite. Groundwater was not encountered and therefore the borings were abandoned by backfilling with concrete/bentonite grout mixture. Soil samples from borings MW-1, MW-2 and MW-4 reported non-detectable concentrations of TPH-g and BTEX (benzene, toluene, ethylbenzene and xylene). MW-2 located west of the former used oil UST reported peak concentrations of TPH-d at 2.3 mg/kg and 20 mg/kg TPH as oil (TPH-o) at 25 feet depth. Two tank pit wells were reportedly measured dry at 6 and 12 feet. Based on the results, GTI recommended that no further action be required (GTI, 1995). The report was submitted to the Alameda County Health Care Services, Department of Environmental Health (HCS-DEH) by Chevron (Chevron, 1995).

Chevron requested confirmation of closure from HCS-DEH in a letter dated May 28, 1999 (Chevron, 1999). The HCS-DEH responded back with a request for additional work to confirm groundwater not present and test for MtBE (methyl tertiary butyl ether) (HCS-DEH, 1999a,b).

Delta Environmental Consultant (Delta) completed a work plan to address the work directive of the HCS-DEH. The scope of work proposed included four soil borings to a maximum of 30 feet depth using a Geoprobe drill rig to be drilled within 5 feet of the previous GTI borings drilled in May 1995 (Delta, 2000a). The HCS-DEH reviewed and requested revisions to the work plan that included adding a boring in the vicinity of previous sample P-1, where peak TPH-g was reported at 8,200 mg/kg on August 16, 1994; accepted two proposed borings along Everett, but directed to omit two other proposed borings along Park Avenue and by the service station building; and to obtain permits (HCS-DEH, 2000). An addendum work plan was prepared in response to the HCS-DEH, for the drilling of three total borings (Delta, 2000b).

Delta reported three borings encountered refusal at 13.5 to 15.5 feet. MtBE was not detected in any of the soil samples analyzed. Groundwater was not encountered. Delta concluded hydrocarbon impact appears to be of limited extent, of low risk to human health and the environment, and further investigation was not warranted at this Site (Delta, 2001).

The HCS-DEH documents additional correspondence with Chevron and then provides case closure documentation and Remedial Action Completion Certification (HCS-DEH, 2002).

Remediation History

During August and September 1994, the product lines were removed and upgraded and a 1,000-gallon single wall used oil UST was removed. Approximately 275 cubic yards (cy) of soil were reportedly removed from the used oil UST excavation (GTI, 1995). The 275 cy of soil were reportedly disposed of at the Redwood Landfill, Novato, California according to the HCS-DEH case closure documentation (HCS-DEH, 2002).

No other reports were found indicating that remediation activities have occurred at the Site.

Ground Water Monitoring Program

Ground water has not been encountered on the Site to the maximum explored depth of 30 feet.

Accordingly, no reports were found indicating that ground water wells have been installed at the Site or that ground water monitoring activities have occurred at the Site.

2.2 TANK INTEGRITY AND HISTORICAL SPILL/LEAK INFORMATION

Active station operation dates back to 1933, with tank integrity testing information available for March 31, 1982 through May 12, 2006. A brief summary of reviewed documents is presented below:

Previous Generation Service Station (1933 to 1956)

This former gas station configuration is based on historical records and there were no tank testing records found.

Current Generation Service Station (1956 to present)

This current gas station configuration has record of two generations of gasoline USTs and three generations of a used oil UST as summarized below:

- March 31, 1982, documented three USTs of steel construction: UST-North-3K Unleaded; UST-Center-5K Super Unleaded; and UST-South-10K Regular; an unspecified used oil UST that probed smooth; and all three fuel USTs passed tightness testing.
- December 29, 1986 through June 18, 1987 document a fiberglass 1K used oil UST estimated to have been installed in 1983 reports passing testing.
- September 8, 1987, documents three 10K, fiberglass USTs estimated to have been installed 4 to 6 years ago (~1982 to 1983) report passing testing.
- October 4, 1988 through September 8, 1993 document three 10K, fiberglass USTs: three product lines; and one 1K used oil UST passing integrity testing.
- August to September, 1994, the product lines were removed and replaced with double wall fiberglass lines; and the 1K used oil UST was removed and eventually replaced with a 550 gallon used oil UST.
- October 14, 1994 through May 12, 2006 report passing integrity testing. Documentation of a 550 gallon used oil UST first appears on July 21, 1997, located on the west side of the service station building; and documented to be made of double wall fiberglass on July 9, 2003.
- On August 10, 2006, the fuel UST system, product lines and used oil UST passed integrity testing performed for divestment purpose.

In summary, during the time frame of March 31, 1982 to May 12, 2006, this current gas station configuration has record of two generations of gasoline USTs and three generations of a used oil UST and documented passing integrity testing. On August 10, 2006, the fuel UST system, product lines and used oil UST passed integrity testing performed for divestment purpose.

Chevron Loss Prevention System

The Chevron Loss Prevention System desk keeps records of spills and leaks at Chevron stations. No records were found in Chevron's historical spill/leak database for this Site.

3.0 REGULATORY AGENCY DATABASE SEARCH

3.1 ENVIRONMENTAL DATA RESOURCES REPORT

SECOR contracted with Environmental Data Resources, Inc. (EDR) to review databases maintained by various federal and state environmental agencies. The purpose of the review was to identify reported listings for the subject Site or other properties in the vicinity. The reviewed databases included federal and state lists of known or suspected contaminated sites, known handlers or generators of hazardous waste, known waste disposal facilities and permitted underground storage tanks. The database search report is included as Appendix A. The databases which were researched and the searched distances for each database, if applicable, include the following described below:

Federal Records ASTM Standard:

- NPL, identifies sites for priority cleanup under the superfund program, searched within a one-mile radius.
- CERCLIS, contains information on sites identified by the USEPA as abandoned, inactive or uncontrolled hazardous waste sites that may require cleanup, searched within a one-half mile radius.
- NFRAP, lists sites that were on the CERCLIS but have been removed and now No Further Remedial Action is planned, searched within a one-quarter mile radius.
- CORRACTS, identifies hazardous waste handlers with Resource Conservation and Recovery Act (RCRA) corrective action activity, searched within a one-mile radius.
- RCRA, identifies sites that generate, store, transport, treat and/or dispose of hazardous waste as identified by the RCRA, searched within a one-quarter mile radius.
- ERNS, stores information on reported releases of oil and hazardous substances, searched within the target property.

Federal Records ASTM Supplemental:

- CONSENT, establish legal responsibility and standards for NPL clean-up sites, searched within a one-mile radius
- ROD, mandates remedy at NPL sites pertaining to technical and health information to aid in site clean-up, searched within a one-mile radius.
- DELISTED NPL, NPL sites in which no further response is necessary or appropriate, searched within a one-mile radius.
- FINDS, points to other sources that may contain more information, searched within the target property.
- HMIRS, contains hazardous materials spill incidents reported to the DOT, searched within the target property.
- MLTS, lists sites that possess or use radioactive materials subject to Nuclear Regulatory Commission licensing requirements, searched within the target property.
- MINES, mines master index file, searched within a one-quarter mile radius.
- NPL LIENS, lists properties with liens filed against them to recover remedial action expenses, searched within the target property.

- PADS, identifies generators, transporters, commercial storers and/or brokers, and disposers of polychlorinated biphenyls, searched within the target property.
- UMTRA, Uranium Mill Tailings Sites, searched within one-half mile radius.
- ODI, Open Dump Inventory, searched within a one-half mile radius
- DOD, Department of Defense, federally owned or administered land of 640 acres or greater, searched within a one-mile radius.
- US Brownfields, contains records on brownfield properties, searched within a one-half mile radius.
- FUDS, lists formerly used defense sites where the United States Army Corps of Engineers actively working or will take necessary cleanup actions.
- RAATS, contains records on enforcement actions under RCRA, searched within the target property.
- TRIS, identifies facilities that release toxic chemicals to the air, water, or land, searched within the target property.
- TSCA, identifies manufacturers and importers of chemical substances included on the TSCA chemical inventory list, searched within the target property.
- FTTS, tracking system for the Federal Insecticide, Fungicide & Rodenticide, and Toxic Substances Control Act, searched within the target property.
- SSTS, reports manufacturing practices for registered pesticide-producing establishments, searched within the target property.
- Other Federal records searched include Engineering Controls, Indian Reservations

State Records ASTM Standard:

- AWP, Annual Workplan Sites, state of California Department of Toxic Substance Control (DTSC) database of known hazardous waste sites targeted for cleanup, formerly Bond Expenditure Program (BEP), searched within a one-mile radius.
- CAL-SITES, state database of properties in California where hazardous substances have been release, or where the potential for such release exists, searched within a one-mile radius.
- CHMIRS, California Hazardous Material Incident Report System, searched within the target property.
- Cortese, Hazardous Waste & Substance Sites List, searched within a one-half mile radius.
- Notify 65, Proposition 65 records, searched within a one-mile radius.
- Toxic Pits, identifies sites suspected of containing hazardous substances where cleanup has not yet been completed, searched within a one-mile radius.
- SWIS, Solid Waste Information System, a state inventory of active, closed and inactive landfills and solid waste facilities, searched within a one-half mile radius.
- WMUDS/SWAT, Waste Management Unit Database/Solid Waste Assessment Test, a state inventory of waste management units, searched within a one-half mile radius.
- LUST, leaking underground storage tank incident reports, searched within a one-half mile radius.
- UST, registered underground storage tanks, searched within a one-quarter mile radius.
- VCP, Voluntary Cleanup Program Properties, searched within a one-half mile radius.
- Indian LUST and UST, leaking and registered underground storage tanks on Indian land, searched within a one-half and one-quarter mile radius, respectively.
- CA FID UST, Facility Inventory Database for active / inactive underground storage tanks, searched within a one-quarter mile radius.

- HIST UST, Historical UST registered database, searched within a one-quarter mile radius.

State Records ASTM Supplemental:

- AST, registered aboveground storage tanks, searched within the target property.
- Other state of California records searched include CLEANERS, CA WDS, DEED, NFA, EMI, REF, SCH, NFE, HAZNET, CA SLIC and limited County records.

Other Databases

- Former Manufactured Gas (Coal Gas) Sites, searched within a one-mile radius.
- Brownfields including voluntary cleanup properties (VCPs) and brownfield properties.
- Oil/Gas Pipelines
- Electric Power Transmission Line Data
- Sensitive Receptors, including Hospitals, Medical Centers, Nursing Homes, Public Schools, Private Schools and Daycare Centers.
- GeoCheck including Flood Zone Data, NWI, National Wetlands Inventory, Water Well Search using Federal and State databases, Oil and Gas Well locations and Radon information.

Nine unique property listings (excluding the Site) were listed within a 1-mile radius of the Site in the database search provided by EDR. Four of the nine sites are listed on the EDR propriety historical databases as former dry cleaners. Thirteen orphan properties were also identified in the database search. The Site appears on seven listings. The subject Site is listed on the EDR propriety historical databases as former gas stations. The Site listings are discussed in Section 3.2, while neighboring properties are discussed in Section 3.3 (3.3.1 through 3.3.3, depending upon the property's potential to affect soil and/or groundwater quality at the Site).

Additionally, sensitive receptors (e.g. down gradient wells, schools, daycare centers) are listed in Section 3.4 below.

3.2 THE SITE

Summary Listing of the Site

Property Name and Address	EDR Site ID	Database and Reason for Listing	Location Relative to Site	Distance and Direction from Property
1. Marshall & Sons Chevron Service 4500 Park Boulevard Oakland, CA 94602	A1	HAZNET – Listed for recycling of aqueous solution with less than 10% total organic residues and unspecified organic liquid mixture.	N/A	Site
2. Texaco Service Station 4500 Park BLVD WY Oakland, CA	A2	Historical Auto Stations – Listed as a Texaco Service Station in 1943. Type – Gasoline and Oil Service Stations	N/A	Site

Property Name and Address	EDR Site ID	Database and Reason for Listing	Location Relative to Site	Distance and Direction from Property
3. Chevron Station No 93415 4500 Park Boulevard Oakland, CA 94602	A3	RCRA-SQG – Listed as a small quantity generator with no violations found. FINDS – Listed as Other Pertinent Environmental Activity Identified at Site: Hazardous Waste Tracking System-Datamart, Resource Conservation and Recovery Act Information system.	N/A	Site
4. Warner JT 4500 Park Boulevard Oakland, CA 94602	A4	Historical Auto Stations – Listed as a Warner JT in 1933. Type – Gasoline and Oil Service Stations	N/A	Site
5. Chevron 4500 Park Boulevard Oakland, CA 94602	A5	LUST – Listed for release of gasoline; release date 11/28/94; discovery date 11/28/94; case type: soil only; status case closed 02/07/02. HAZNET – Listed for recycling of empty containers <30 gallons, unspecified oil containing waste and aqueous solution with less than 10% total organic residues. Cortese – Listed under the Cortese database. SWEEPS UST – Listed under the State Water Resources Control Board Underground Storage Tank Listing. Four USTs- three for M.V. fuel [gasoline] and one unknown [waste oil].	N/A	Site
6. Chevron Station #93415 4500 Park Boulevard Oakland, CA 94602	A6	UST - Listed on Underground Storage Tank database.	N/A	Site
7. 93415 4500 Park Boulevard Oakland, CA 94602	A7	HIST UST – Listed under the UST database as having four tanks installed date not reported. Tank capacities are reported as three 10,000-gallon product; and one 1,000-gallon waste.	N/A	Site

3.3 NEIGHBORING PROPERTIES

Neighboring properties have been divided into three categories, depending upon their potential to affect soil and/or groundwater quality at the Site. Properties with no listings of releases are discussed in Section 3.3.1. Properties with potential releases have been divided into two categories: (1) properties not expected to affect the Site (Section 3.3.2); and, (2) properties with potential to affect the Site (Section 3.3.3). Please note that groundwater flow beneath the Site is toward the southwest.

3.3.1 Properties with No Listings of Releases

Of the nine unique property listings (excluding the Site), four properties listed within 1/4-mile of the Site have no listings of releases. These properties did not appear on any lists indicating violations, improper materials management, or that a potential release to the environment had occurred.

Examples of properties included in this category are exclusive listings on HIST UST or Cleaners, CA FID, UST, HAZNET, and RCRA-Small Quantity Generator (SQG)-type lists. The properties listed below only include those summarized by the EDR as being within 1/4-mile of the Site.

Summary Table of Neighboring Properties with No Listings of Releases

Property Name and Address	EDR Site ID	Database and Reason for Listing	Location Relative to Site	Distance and Direction From Property
1. Glenview Laundry 4236 Park Boulevard Oakland, CA	B9	EDR Historical Cleaners. Year: 1967.	Down gradient	> 3/16 mile west-southwest
2. B & G Cleaners 4209 Park Boulevard Oakland, CA	B10	EDR Historical Cleaners. Year: 1967.	Down gradient	> 3/16 mile west-southwest
3. Frigidaire Coin Wash. 4204 Park Boulevard Oakland, CA	C11	EDR Historical Cleaners. Year: 1967.	Down gradient	> 3/16 mile west-southwest
4. Yee Johnny Laundry. 4195 Park Boulevard Oakland, CA	C12	EDR Historical Cleaners. Year: 1967.	Down gradient	> 3/16 mile west-southwest

3.3.2 Properties with Releases Not Expected to Affect the Site

Of the nine unique property listings (excluding the Site), five appear on regulatory databases within a 1-mile radius of the Site indicating the property has had a potential release to the environment. However, due to criteria such as the case status (e.g. case closed), the affected media (groundwater or soil only), and/or the distance and inferred hydraulic direction of the property relative the Site; these properties are not expected to affect the Site. The properties listed below only include those summarized by the EDR as being within 1/4-mile radius of the Site.

Summary Table of Neighboring Properties with Releases Not Expected to Affect the Site

Property Name and Address	EDR Site ID	Database and Reason for Listing	Location Relative to Site	Distance and Direction From Property
Note: Sites listed within 1/4 mile				
1. Selk, Louisa M 4317 Edgewood Oakland, CA 94602	8	Cortese – Listed under the Cortese database with no additional information.	Down gradient	3/16 mile west-southwest

3.3.3 Properties with Potential to Affect the Site

Properties with the potential to affect the Site are those that appear on databases indicating a release to the environment has occurred and may present a threat to soil and/or groundwater beneath the Site.

The EDR search of regulatory agency databases identified no property, within a ¼-mile radius of the Site, with a release that could impact soil and/or groundwater beneath the Site.

3.4 SENSITIVE RECEPTORS

Sites that have been identified as potential sensitive receptors are summarized in the following table. Examples of sensitive receptors include: drinking water wells, schools, daycare centers, etc. The search radius for drinking water wells and surface water receptors is within a 1-mile radius of the Site, and within a 1/4-mile for schools and daycare centers.

Summary Table of Sensitive Receptors

Property Name and Address/Well ID	Source of Data	Database and Reason for Listing	Location Relative to Site	Distance and Direction From Property
Schools, Day Care Centers, etc. located within a 1/4- mile radius				
Duck Pond, The 4426 Park Boulevard	EDR	School	Down gradient	>1/16 mile west- southwest
Glenview Elementary 4215 La Cresta Avenue	EDR	School	Cross gradient	>3/16 mile south
Drinking Water Wells located within a 1-mile radius				
1) None	EDR & Geotracker	N/A	N/A	N/A
Surface Water bodies located within a 1-mile radius				
Central Reservoir	USGS Map	Surface water body	Down gradient	<3/4 mile south- southwest

Three potential sensitive receptors were identified in the EDR data base report, USGS maps, Thomas Guide maps, Internet searches and /or during visual inspection of neighboring properties. Two schools or daycare centers located within a 1/4 mile radius of the Site in various directions; and the closest surface water body is the Central Reservoir located less than 3/4-mile south-southwest (potentially down-gradient). One of the two schools or daycare centers is located topographically in a cross gradient direction, and therefore considered less likely to be a receptor. Based on the distance of the surface water body, it is also considered less likely to be a potential receptor.

The groundwater production wells are discussed in Section 1.3.1 of this report.

4.0 HISTORICAL SITE RECORDS REVIEW

SECOR developed an understanding of past use of the property through research of the following available information resources. The research was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The standard requires the research of one or more historical record resources to investigate possible past use of a given property. Potential historical records used for research might include historic aerial photography, topographic maps, fire insurance maps, city directories and/or prior environmental reports. Prior environmental reports, if applicable to the subject property, have been summarized in Section 2.0 of this report. Results of SECOR's additional historical research for the subject Site are outlined in the following sections.

4.1 AERIAL PHOTOGRAPH REVIEW

Aerial photographs for the property and surrounding areas were obtained from Environmental Data Resources, Inc. (EDR) to evaluate historical usage of the Site and adjacent properties. The photographs were also reviewed to evaluate any discernible evidence of potential sources of negative environmental impact at the Site. The general activity on a property and land use changes can often be discerned from the type and layout of structures visible in aerial photographs and maps; however, specific elements of a site operation cannot normally be determined.

The following aerial photographs of the Site and surrounding areas were examined during SECOR's historical investigations:

- Photograph dated 1939 (Scale: not measured, Flyer: not identified)
- Photograph dated 1946 (Scale: 1" = 655', Flyer: Jack Ammann)
- Photograph dated 1959 (Scale: 1" = 555', Flyer: Cartwright)
- Photograph dated 1965 (Scale: 1" = 333', Flyer: Cartwright)
- Photograph dated 1982 (Scale: 1" = 690', Flyer: WSA)
- Photograph dated 1993 (Scale: 1" = 666', Flyer: United States Geological Survey [USGS])
- Photograph dated 1998 (Scale: 1" = 666', Flyer: USGS)

1939

The Site is barely discernable, but with a building of unknown use. Site is bound by existing streets Park Boulevard and Everett Street to north and west, respectively; bound to east and south by structures that appear to be mainly residential.

1946

The Site and vicinity appear similar to the 1939 photograph. However, the building onsite is more discernable with an "L" shape and appears to be a previous generation service station.

1959

The Site is developed as a gasoline service station. Appears to be same layout as depicted in 1950 Sanborn Map and a Site Survey Map dated 1956. The main building structure is clearly discernable. The station configuration corresponds with the existing generation structures (1956 to present). Site is bound by existing streets Park Boulevard and Everett Street to north and west, respectively; bound to east and

south by structures that appear to be mainly residential.

1965

The Site and vicinity appear similar to the 1959 photograph.

1982

The Site and vicinity are barely discernable but appear similar to the 1965 photograph.

1993

The Site and vicinity appear similar to previous 1965 and 1982 photographs. A canopy appears to cover the pumps.

1998

The Site and vicinity appear similar to the 1965, 1982 and 1993 photographs.

Summary

With the exception of the above referenced features onsite that appear to be gasoline stations, the uses of the Site and surrounding properties, determined from aerial photograph review, did not appear to be of environmental concern.

4.2 TOPOGRAPHIC MAP REVIEW

Historical USGS topographic maps were reviewed by SECOR to identify past physiographic features such as streams, lakes, and Site and vicinity development.

The following topographic maps were reviewed:

- Topographic map dated 1915 (Target Quad: Concord; Scale: 1:62,500)
- Topographic map dated 1948 (Target Quad: Concord; Scale: 1:50,000)
- Topographic map dated 1949 (Target Quad: Oakland East, Scale 1:24,000)
- Topographic map dated 1959 (Target Quad: Concord; Scale: 1:62,500)
- Topographic map dated 1959 (Target Quad: Oakland East, Scale 1:24,000)
- Topographic map dated 1968 (Target Quad: Oakland East; Scale: 1:24,000)
- Topographic map dated 1973 (Target Quad: Oakland East; Scale: 1:24,000)
- Topographic map dated 1980 (Target Quad: Oakland East; Scale: 1:24,000)

1915

The Site is depicted as within developed land and with a building structure as depicted by symbol. The Site is bordered by streets and cultural features within the City of Oakland similar to present day.

1948

The Site and vicinity appear similar to the 1915 map with some increased detail.

1949

The Site and vicinity appear similar to the 1948 map with decrease in detail. The Site is depicted as being within a built out area.

1959

The Site and vicinity appear similar to the 1949 map.

1968, 1973 and 1980

The Site and vicinity appear similar to the 1949 and 1959 maps.

Summary

The uses of the Site and surrounding properties, determined from topographic map review, did not appear to be of environmental concern.

4.3 FIRE INSURANCE MAPS

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide prior land use history and assist in assessing whether there may be potential environmental contamination on or near the Subject Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical site uses.

SECOR retained EDR to provide historical fire insurance maps covering the Site. Historic Sanborn fire insurance maps from 1912, 1928, 1950, 1952, 1957, 1960, 1962 and 1968 were reviewed to determine the historic land use of the Site and adjacent properties.

1912

The Site was subdivided into two parcels along a northwest-southeast property line and identified as vacant land. The Site is bound by 13th Avenue to the north (future Park Boulevard); Everett Avenue to the west (future Everett Street); and vacant lots to the east and south. Site vicinity is depicted as primarily vacant with some residential dwellings.

1928

The Site was subdivided into two parcels along a northwest-southeast property line and the parcel on the west is identified as vacant and the parcel on the east is identified as a residential dwelling. The Site vicinity shows increased residential dwellings.

1950

The Site was subdivided into two parcels along a northwest-southeast property line and the parcel on the west is identified as a "Gas & Oil" with two connected buildings approximating an "L" shape; and the parcel on the east is identified as a residential dwelling same as the 1928 map. The Site vicinity is similar to the 1928 map with primarily residential dwellings.

1952

The Site and vicinity are similar to the 1950 map.

1957

The Site was subdivided into one parcel with a "Gas & Oil" building near the center that corresponds with the present day gas station layout. The residential dwellings on the eastern portion of the Site are no longer present. The Site vicinity is similar to the 1952 map with primarily residential dwellings.

1960, 1962 and 1969

The Site and surrounding properties do not appear to have changed significantly with respect to the 1957 Sanborn map.

Summary

With the exception of the above referenced features that appear to be gasoline stations, the uses of the Site and surrounding properties, determined from Sanborn Map review, did not appear to be of environmental concern.

4.4 CITY DIRECTORY SEARCH

SECOR retained EDR to provide a city directory abstract for the Site (target property) address and the surrounding addresses. The search spanned the years from 1920 through 2000. Listings for the Site and the surrounding addresses are summarized below.

Summary of the City Street Directory Abstract

Year	Addresses	Listing
Site (Target Property) Address		
1920, 1925, 1926, 1932,	4500 Park Boulevard	Not Listed in Source
1933,	4500 Park Boulevard	Warner Jos T Gas Sta
1938, 1940	4500 Park Boulevard	Not Listed
1943, 1945, 1950	4500 Park Boulevard	Texaco Service Stations
1946, 1951, 1954, 1955, 1956, 1959, 1960, 1965	4500 Park Boulevard	Not Listed
1962	4500 Park Boulevard	Park Boulevard & Everett
1967	4500 Park Boulevard	Marshall J Chevron Sta
1970, 1973, 1975, 1976, 1979, 1982, 1984	4500 Park Boulevard	Not Listed
1980, 1986, 1991	4500 Park Boulevard	Marshall & Sons Chevron, Marshall JAS S, Marshall Steel Cleaners
1992	4500 Park Boulevard	Marshall & Sons Chevron
1996, 2000, 2002	4500 Park Boulevard	Not Listed
Adjoining Properties*		
1920 through 2000	Park Boulevard, Everett Avenue and El Centro Avenue	No concerns found*

* Only addresses that indicate activities of potential chemical use and therefore potential environmental concern are listed.

Summary

Based on the review of the above city directories, the Site has been listed as a gas station since 1933, a Texaco service station 1943 to 1950 and a Standard service station since 1967. Historic properties listed in close proximity of the Site that indicate activities of potential chemical use and therefore of potential historic environmental concern were not found (EDR, 2006a, e).

4.5 OTHER HISTORICAL DATABASES – EDR HISTORICAL CLEANERS

The EDR Historical Cleaners, provided by EDR, is a proprietary record listing compiled by EDR from selected business directories and limited to potential dry cleaner listings.

A review of the EDR historical list reports four Historical Cleaner Site listings within a 1/4 mile radius of the Site. The closest of these were located >3/16 mile west-southwest (potentially down-gradient) and are tabulated in Section 3.3.1. Current database indicates the closest dry cleaner's is located greater than 1/4 mile. Based on the distance and direction, current and past dry cleaners do not appear to be of environmental concern.

5.0 BASELINE ASSESSMENT

A description of methods and procedures used by SECOR during the Baseline Assessment is presented in the following paragraphs. The methods and procedures were conducted in general accordance with established Chevron Guidelines for Environmental Risk Evaluation Guide for Property Transactions: Sites with Underground Storage Tanks (USTs), except where indicated otherwise.

5.1 FIELD OPERATIONS

Nine exploratory soil borings (BA-1 through BA-6; and BA-8 through BA-10) were advanced by Gregg Drilling under SECOR's supervision from October 2 through 6, 2006, at the locations illustrated on attached Figure 2. The existing structures assessed included three 10,000-gallon, fiberglass gasoline underground storage tanks (USTs) (BA-1 and BA-2); three dispenser islands (BA-3 through BA-5); the used oil UST (BA-6); a former used oil UST (BA-8); and two hydraulic lifts (BA-9 and BA-10). The former used oil sump was not assessed due to underground utility conflicts (BA-7). Groundwater was not encountered, and therefore groundwater samples were not collected.

A copy of the site specific Health and Safety Plan is included as Appendix B.

The borings were drilled using a hollow-stem auger drill rig.

In accordance with California State Law, Underground Service Alert (USA) was notified prior to commencing drilling activities to identify any public utility alignments that may have been in potential conflict with the proposed borings. SECOR also provided the services of a geophysical survey company to identify any private utility alignments that may have been in potential conflict.

In accordance with established Chevron Guidelines, SECOR Staff supervised the clearing of soils from the upper eight feet of each boring location utilizing an air-knife or careful hand digging techniques. Copies of the completed Boring Clearance Forms are attached as Appendix C.

Advancement of the soil borings included soil sampling, soil classification, and subsequent abandonment of the borehole. The following sections describe each of the elements of the completed Baseline Site Assessment investigation.

5.1.1 Drilling, Soil Sampling and Groundwater Sampling Procedures

During hollow-stem auger advancement, sampling of encountered subsurface soils was performed using a standard penetration split-spoon sampling device (SPT) sleeved with three 6-inch long brass or stainless steel tubes. Soil samples were collected at five-foot intervals or less using the sampler. At each sampling interval, the sampler was driven into undisturbed soil beyond the cutting head of the lead auger with a 140-pound hammer free falling from 30 inches until 18 inches of penetration was achieved or until the number of blows required to drive the sampler six inches (blow count) exceeded 50; or continuous core barrel driven into undisturbed soil until 18 inches of penetration was achieved. Upon advancement of the sampler to the full 18-inch length or refusal depth, the augers were advanced around the sampler, and the sampler was brought to the surface. The sampling and drilling sequence was then repeated for the entire depth of each boring.

Upon extracting the sampler at each depth interval, the soils contained therein were visually examined by SECOR field personnel who then classified the soils in accordance with the Unified Soil Classification System (USCS). A photoionization detector (PID) was also used to monitor the soils collected from above the groundwater surface for volatile organic compound (VOC) vapors. A summary of the USCS classifications and VOC vapor readings obtained are presented in the boring logs included as Appendix D.

After USCS classification and VOC evaluation, the soil samples collected at each sampling interval were packaged by placing Teflon sheets over the ends of the lowermost or middle tube and capping the tube with a tight fitting plastic cap, which was then secured to the tube using self-adhering Arlon tape, labeled, and placed in an ice-filled cooler pending delivery under Chain-of-Custody (COC) to a laboratory for potential chemical analysis. The COC records for the soil samples collected from the borings are presented in Appendix E.

Groundwater was not encountered, and therefore groundwater samples were not collected.

5.1.2 Boring Abandonment Procedures

Following soil and groundwater sampling, the borings were abandoned by placing cement grout or bentonite inside the borehole. Once the level of the sealing mixture had reached a level of approximately one foot below ground surface, redi-mix concrete was emplaced and finished flush with existing surface grade.

5.1.3 Equipment Cleaning Procedures/Containment of Materials

To maintain quality control during drilling operations, the sampling equipment was cleaned with pressurized hot water prior to drilling each boring to prevent cross-contamination from one boring to the next.

All soil cuttings and wastewater generated were stored in labeled 55-gallon steel drums on the Site pending profiling for off site disposal at a licensed receiving facility.

5.1.4 Laboratory Testing Program

All soil samples collected during this investigation were delivered under COC to Lancaster Laboratories located at 2425 New Holland Pike, Lancaster, Pennsylvania. Lancaster Laboratories is certified to perform hazardous waste, waste water and potable water testing by the State of California Environmental Laboratory Accreditation Program (ELAP), ELAP No. 2116.

Soil samples collected in the vicinity of the former and existing gasoline USTs, dispenser islands and product lines were analyzed for total petroleum hydrocarbons-gasoline range organics (TPH-GRO) by gas chromatography/mass spectrometry (GC/MS), and for benzene, toluene, ethylbenzene and toluene (BTEX), gasoline oxygenates, and ethanol by EPA Test Method 8260B. The sample with the highest TPH-GRO concentration was scheduled to be analyzed for total lead using EPA Test Method 6010.

The soil samples collected from the existing/former used oil UST borings, were analyzed for total extractable petroleum hydrocarbons (TEPHs) as GRO, diesel range organics (DRO) and oil range organics (ORO) using EPA Test Method 8015B. The soil sample from each boring having the highest TEPH concentration as GRO, DRO or ORO above 10 mg/kg, if any, was scheduled to be analyzed for

volatile organic compounds (VOCs) using EPA Test Method 8260B and for Title 22 Metals. PCBs were also analyzed for waste profiling purpose.

The soil samples collected from the existing (former) hydraulic lift borings was analyzed for TEPHs as DRO and ORO using EPA Test Method 8015B. The soil sample from each boring having the highest TEPH concentration above 10 mg/kg, if any, was also scheduled to be analyzed for PCBs by EPA Test Method 8082.

Groundwater was not encountered, and therefore groundwater samples were not collected.

5.2 INVESTIGATIVE DERIVED WASTE

A total of 12 drums of investigation-derived waste (IDW), eight soil drums and four water drums, were generated as a result of drilling activities. Profile numbers and disposal are pending to date. Copies of the waste manifests will be included under separate cover (Appendix F).

5.3 PERMITS

A permit to advance borings and collect groundwater samples was obtained from the County of Alameda Public Works Agency. A copy of the permit is included as Appendix G.

6.0 INVESTIGATION FINDINGS

The results of the investigation are presented in the following subsections.

6.1 FIELD OBSERVATIONS

- Boring BA-1 was drilled vertically to a depth of 25 feet below ground surface (bgs) at the southern side of the existing gasoline underground storage tank (UST) pad (and former tank pad). Photo-ionization detector (PID) readings of samples collected from the boring were 0 (zero) to 0.4 parts per million by volume (ppmv). The highest PID reading was at 15 feet depth. Hydrocarbon odors were not noted in the samples collected from this boring at 5 through 20 feet. Groundwater was not encountered.
- Boring BA-2 was drilled vertically to a depth of 28 feet bgs at the northern side of the existing gasoline UST pad (and former UST pad). PID readings of the samples collected in the boring were 0.5 to 27.4 ppmv. The highest PID reading was at 15 feet depth. Hydrocarbon odors were not noted in the samples collected from 5 to 25 feet. Groundwater was not encountered.
- Boring BA-3 was drilled vertically to a depth of 28 feet bgs at the northern side of the existing northwest gasoline dispenser. PID readings of samples collected in the boring were 0.8 to 237 ppmv. The highest PID reading was at 25 feet. Hydrocarbon odors were not noted in the samples collected from 5 to 30 feet. Groundwater was not encountered.
- Boring BA-4 was drilled vertically to a depth of 25 feet bgs at the northern side of the existing northeast gasoline dispenser. PID readings of samples collected in the boring were 0 (zero) to 3.3 ppmv. The highest PID readings were at 10 and 15 feet. Hydrocarbon odors were not noted in the samples collected from 5 to 25 feet. Groundwater was not encountered.
- Boring BA-5 was drilled vertically to a depth of 20 feet bgs at the southern side of the existing southeast gasoline dispenser. PID readings of samples collected in the boring were 0.9 to 1.1 ppmv. The highest PID reading was at 15 feet. Hydrocarbon odors were not noted in the samples collected from 5 to 20 feet. Groundwater was not encountered.
- Boring BA-6 was drilled vertically to a depth of 28 feet bgs at the southern side of the existing used oil UST. PID readings of samples collected in the boring were 1.7 to 5.0 ppmv. The highest PID reading was at 25 feet. Hydrocarbon odors were not noted in the samples collected from 5 to 25 feet. Groundwater was not encountered.
- Boring BA-7 was proposed at the former used oil UST sump inside the station building. However, the attempt was abandoned due to utility conflicts.
- Boring BA-8 was drilled vertically to a depth of 30 feet bgs at the former used oil UST. PID readings of samples collected in the boring were 0.7 to 1.4 ppmv. The highest PID reading was at 20 and 30 feet. Hydrocarbon odors were not noted in the samples collected from 5 to 30 feet. Groundwater was not encountered.

- Boring BA-9 was drilled vertically to a depth of 15 feet bgs at the existing hydraulic lift. PID readings of samples collected in the boring were 0 (zero). Hydrocarbon odors were not noted in the samples collected from 5 to 15 feet. Groundwater was not encountered.
- Boring BA-10 was drilled vertically to a depth of 14 feet bgs at the existing hydraulic lift. PID readings of samples collected in the boring were 0 (zero). Hydrocarbon odors were not noted in the samples collected from 5 to 14 feet. Groundwater was not encountered.

General lithologies encountered during SECOR's field investigation consisted of silty sand with some clay and gravel; and bedrock where drill refusal was encountered at varying depths. Groundwater was not encountered to the maximum explored depth of 30 feet bgs.

6.2 ANALYTICAL RESULTS

The following subsections discuss the analytical results for soil and groundwater samples collected during SECOR's investigation.

6.2.1 Soil Samples

Table 1, 2, 3 and 4 summarize the laboratory analytical results for soil samples analyzed from the borings located adjacent to the former and existing gasoline USTs and dispenser islands; former and existing used oil USTs; and existing hydraulic lifts. The laboratory data sheets, quality assurance/quality control (QA/QC) results, and chain-of-custody (COC) documentation are presented in Appendix E.

Chemical analysis of select soil samples by EPA Test Method 8260B showed total petroleum hydrocarbons as gasoline range organics (TPH-GRO) was detected in four of ten soil boring samples (or two of five borings, BA-2 and BA-3). The maximum concentration of 120 milligrams per kilogram (mg/kg) was detected in soil collected from boring BA-2, located north of the existing (and former) USTs and product lines at a depth of 15 feet bgs. The soil sample was subsequently analyzed for lead, which was detected at a concentration of 8.31 milligrams per kilogram (mg/kg). TPH-GRO was not detected in soil samples analyzed from boring BA-1, BA-4 and BA-5.

Benzene, toluene, ethylbenzene, and total xylenes (BTEX) were not detected above the laboratory reporting limits in the soil samples analyzed, with the exception of ethylbenzene reported in BA-2; and xylene reported in BA-2 and BA-3. The maximum concentrations were reported in soil sample BA-2-15, located north of the existing (and former) USTs and product lines, with 0.023 mg/kg ethylbenzene and 0.024 mg/kg xylene.

Fuel oxygenates Methyl tert-butyl ether (MTBE), Tert-butanol (TBA), tert-amyl methyl ether (TAME), Ethyl tertiary-butyl ether (ETBE), di-isopropyl ether (DIPE), 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC) and ethanol were not detected above the laboratory reporting limits in any soil samples analyzed.

Chemical analysis of select soil samples by EPA Test Method 8015B showed total petroleum hydrocarbons as gasoline range organics (TPH-GRO), diesel range organics (TPH-DRO) and oil range organics (TPH-ORO) was detected in two of four soil boring samples (or two of two borings, BA-6 and BA-8). The maximum concentration of TPH-GRO, -DRO and -ORO of 47 mg/kg, 310 mg/kg and 2,200 mg/kg, respectively, was detected in soil collected from boring BA-6, located south of the existing (and former) used oil UST at a depth of 25 feet bgs. TPH-ORO of 22 mg/kg was also detected in sample BA-

8-20, located at the former used oil UST. The soil samples, BA-6-25 and BA-8-20 were subsequently analyzed for volatile organic compounds (VOCs) using EPA Test Method 8260B and for Title 22 Metals. The VOC results reported for sample BA-6-25 were 0.16 mg/kg acetone, 0.002 mg/kg tetrachloroethene, 0.003 mg/kg n-propylbenzene, 0.005 mg/kg tert-butylbenzene and no other compounds detected; for sample BA-8-20 were 0.011 mg/kg acetone and no other compounds detected. The VOC and Title 22 metal concentrations reported for samples BA-6-25 and BA-8-20 are presented in Table 3.

Chemical analyses of soil samples collected from the existing (former) hydraulic lift borings for TEPHs as DRO and ORO using EPA Test Method 8015B, reported detectable concentrations in two of four samples (or one of two borings, BA-10). Samples collected from boring BA-10 at 10 and 14 feet depth, reported 12 mg/kg and 11 mg/kg of TPH-ORO, respectively, and non-detectable TPH-DRO. The sample reporting the highest TPH concentration above 10 mg/kg, sample BA-10-10 was analyzed and reported non-detectable concentrations of PCBs by EPA Test Method 8082.

6.2.2 Groundwater Samples

Groundwater was not encountered, and therefore groundwater samples were not collected.

7.0 LIMITATIONS

SECOR has prepared this report for the exclusive use of Chevron as it pertains to Service Station No. 9-3415 located at 4500 Park Boulevard, Oakland, California. SECOR's investigation has been performed with the degree of skill generally exercised by practicing engineers and geologists in the environmental field. SECOR makes no other warranty, either expressed or implied, concerning the conclusions and professional advice, which is contained within the body of this report. *Any use of or reliance on this report by a third party shall be at such a party's sole risk.*

Inherent in most projects performed in a heterogeneous subsurface environment, excavation or continuing assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may alter with time; consequently, the findings presented herein are subject to change.

This report is prepared with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of SECOR to conduct appropriate notifications as specified by current county and state regulations.

SECOR can offer no assurances and assumes no responsibility for site conditions or activities that were outside the scope of the inquiry requested by Chevron as outlined in this document. It should be understood by Chevron that SECOR has relied on the accuracy of documents, oral information, and other material and information provided by Chevron and other associated parties. It is recognized that regulatory requirements may change, including the revision of accepted action levels, which could necessitate a review of the discussion, findings, recommendations or conclusions of this report. Any subsequent modification, revision or verification of this report must be provided in writing by SECOR.

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TABLE 1
SUMMARY OF SOIL CHEMICAL ANALYSIS
FOR TPH, BTEX, AND LEAD
Chevron Service Station No. 9-3415
4500 Park Boulevard
Oakland, CA

Sample Identification	Sample Depth (feet)	Sampling Date	Feature Assessed	TPH - GRO (mg/kg)	TPH - GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Lead (mg/kg)
				GC/MS	EPA 8015B			EPA 8260B				EPA 6010B
BA-1-15	15	10/05/06	Fuel UST	ND<0.11	NA	NA	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA
BA-1-20	20	10/05/06	Fuel UST	ND<0.11	NA	NA	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA
BA-2-15	15	10/05/06	Fuel UST	120	NA	NA	NA	ND<0.002	ND<0.005	0.023	0.024	8.31
BA-2-25	25	10/05/06	Fuel UST	96	NA	NA	NA	ND<0.003	ND<0.005	0.023	0.01	NA
BA-3-20	20	10/05/06	Fuel Dispenser	0.11	NA	NA	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA
BA-3-25	25	10/05/06	Fuel Dispenser	29	NA	NA	NA	ND<0.002	ND<0.005	ND<0.005	0.007	NA
BA-4-15	15	10/05/06	Fuel Dispenser	ND<0.11	NA	NA	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA
BA-4-25	25	10/05/06	Fuel Dispenser	ND<0.11	NA	NA	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA
BA-5-15	15	10/05/06	Fuel Dispenser	ND<0.11	NA	NA	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA
BA-5-20	20	10/05/06	Fuel Dispenser	ND<0.11	NA	NA	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA
BA-6-15	15	10/05/06	Used Oil UST	NA	ND<1.0	ND<4.0	ND<4.0	NA	NA	NA	NA	NA
BA-6-25	25	10/05/06	Used Oil UST	NA	47	310	2,200	ND<0.002	ND<0.002	ND<0.002	ND<0.004	NA
BA-8-20	20	10/04/06	Former Used Oil UST	NA	ND<1.0	ND<4.0	22	ND<0.002	ND<0.002	ND<0.002	ND<0.004	NA
BA-8-30	30	10/04/06	Former Used Oil UST	NA	ND<1.0	ND<4.0	ND<4.0	NA	NA	NA	NA	NA
BA-9-10	10	10/04/06	Hydraulic Hoist	NA	NA	ND<4.0	ND<4.0	NA	NA	NA	NA	NA
BA-9-15	15	10/04/06	Hydraulic Hoist	NA	NA	ND<4.0	ND<4.0	NA	NA	NA	NA	NA
BA-10-10	10	10/04/06	Hydraulic Hoist	NA	NA	ND<4.0	12	NA	NA	NA	NA	NA
BA-10-14	14	10/04/06	Hydraulic Hoist	NA	NA	ND<4.0	11	NA	NA	NA	NA	NA
Waste1		10/05/06	Composite Soil Drum	NA	NA	NA	NA	NA	NA	NA	NA	NA

Bold = Detectable concentration

NA = Not analyzed

ND = Not detected above laboratory reporting limits

mg/kg = milligrams per kilogram

UST = underground storage tank

TPH = total petroleum hydrocarbons

GRO = gasoline range organics (C4 - C12)

DRO = diesel range organics (C13 - C22)

ORO = oil range organics (C23 - C40)

GC/MS = gas chromatography/mass spectrometry

TABLE 2
SUMMARY OF SOIL CHEMICAL ANALYSIS
FOR GASOLINE OXYGENATES, ETHANOL, EDC AND EDB
Chevron Service Station No. 9-3415
4500 Park Boulevard
Oakland, CA

Sample Identification	Sample Depth (feet)	Sampling Date	Feature Assessed	Ethanol (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	MTBE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	1, 2 - Dichloroethane (mg/kg)	1, 2 - Dibromoethane (mg/kg)
				EPA 8260B							
BA-1-15	15	10/05/06	Fuel UST	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-1-20	20	10/05/06	Fuel UST	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-2-15	15	10/05/06	Fuel UST	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-2-25	25	10/05/06	Fuel UST	ND<0.51	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-3-20	20	10/05/06	Fuel Dispenser	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-3-25	25	10/05/06	Fuel Dispenser	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-4-15	15	10/05/06	Fuel Dispenser	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-4-25	25	10/05/06	Fuel Dispenser	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-5-15	15	10/05/06	Fuel Dispenser	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-5-20	20	10/05/06	Fuel Dispenser	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-6-15	15	10/05/06	Used Oil UST	NA	NA	NA	NA	NA	NA	NA	NA
BA-6-25	25	10/05/06	Used Oil UST	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-8-20	20	10/04/06	Former Used Oil UST	ND<0.50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.10	ND<0.005	ND<0.005
BA-8-30	30	10/04/06	Former Used Oil UST	NA	NA	NA	NA	NA	NA	NA	NA
BA-9-10	10	10/04/06	Hydraulic Hoist	NA	NA	NA	NA	NA	NA	NA	NA
BA-9-15	15	10/04/06	Hydraulic Hoist	NA	NA	NA	NA	NA	NA	NA	NA
BA-10-10	10	10/04/06	Hydraulic Hoist	NA	NA	NA	NA	NA	NA	NA	NA
BA-10-14	14	10/04/06	Hydraulic Hoist	NA	NA	NA	NA	NA	NA	NA	NA

Bold = Detectable concentration
 NA = Not analyzed
 ND = Not detected above laboratory reporting limits
 mg/kg = milligrams per kilogram

DIPE = di-isopropyl ether
 ETBE = ethyl tertiary-butyl ether
 MTBE = methyl-tert-butyl-ether

TAME = tert-amyl methyl ether
 TBA = tertiary-butanol

TABLE 3
SUMMARY OF SOIL CHEMICAL ANALYSIS
FOR TITLE 22 METALS AND VOCs
Chevron Service Station
No. 9-3415
4500 Park Boulevard
Oakland, CA

Analyte	Detected Concentration (mg/kg) BA-6-25 (Used Oil UST)	Detected Concentration (mg/kg) BA-8-20 (Former Used Oil UST)
Antimony	ND<10.0	ND<10.0
Arsenic	ND<2	ND<2
Barium	72.6	111
Beryllium	0.875	0.848
Cadmium	ND<0.5	0.552
Chromium	16.8	30.2
Cobalt	6.11	5.55
Copper	26.5	24.5
Lead	7.4	6.68
Mercury	0.202	0.188
Molybdenum	ND<2.00	ND<2.00
Nickel	18.6	21.4
Selenium	ND<2	ND<2
Silver	ND<1.00	ND<1.00
Thallium	ND<10.0	ND<10.0
Vanadium	24.2	29.2
Zinc	58.9	53.0
VOCs	Acetone-0.16; Tetrachloroethene - 0.002; n-propylbenzene-0.003; tert-butylbenzene - 0.005; Other - ND.	Acetone - 0.011; Other - ND.

Bold = Detectable Concentration

NA = Not Analyzed

ND = Not Detected Above Laboratory Reporting Limits

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

Title 22 Metals Analysis by EPA Test 6010B/7471A

VOC = Volatile Organic Compound (analysis by EPA Test 8260B)

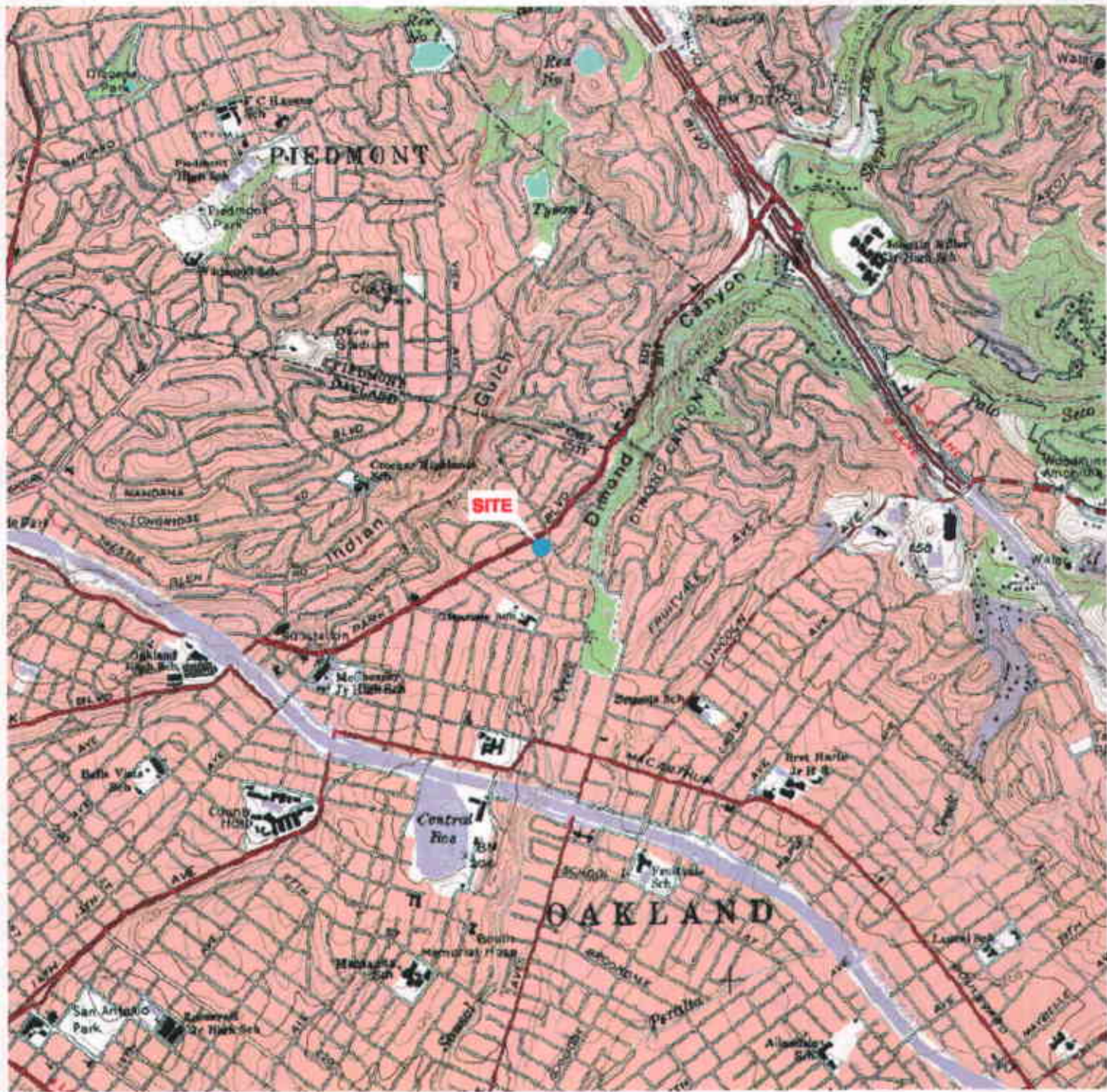
TABLE 4
 SUMMARY OF SOIL ANALYTICAL RESULTS
 FOR PCBs
 Chevron Station #9-3415
 4500 Park Boulevard
 Oakland, CA

Sample Identification	Sample Depth (feet)	Sampling Date	Feature Assessed	Aroclor 1016 (µg/kg)	Aroclor 1221 (µg/kg)	Aroclor 1232 (µg/kg)	Aroclor 1242 (µg/kg)	Aroclor 1248 (µg/kg)	Aroclor 1254 (µg/kg)	Aroclor 1260 (µg/kg)
				EPA 8082						
BA-10-10	10	10/04/06	Hydraulic Hoist	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50

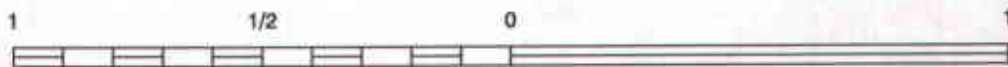
Bold = Detectable Concentration

ND = Not Detected Above Laboratory Reporting Limits

mg/kg = milligrams per kilogram



CALIFORNIA



SCALE (MILES)



SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, OAKLAND EAST, CALIFORNIA



SECOR

25884-F BUSINESS CENTER DR.
REDLANDS, CALIFORNIA 92374-4515
PHONE: (909) 335-6116/335-6120 (FAX)

FOR:

CHEVRON NO. 9-3415
4500 PARK BOULEVARD
OAKLAND, CALIFORNIA

JOB NUMBER:
04CH.93415.00

DRAWN BY:
CDH

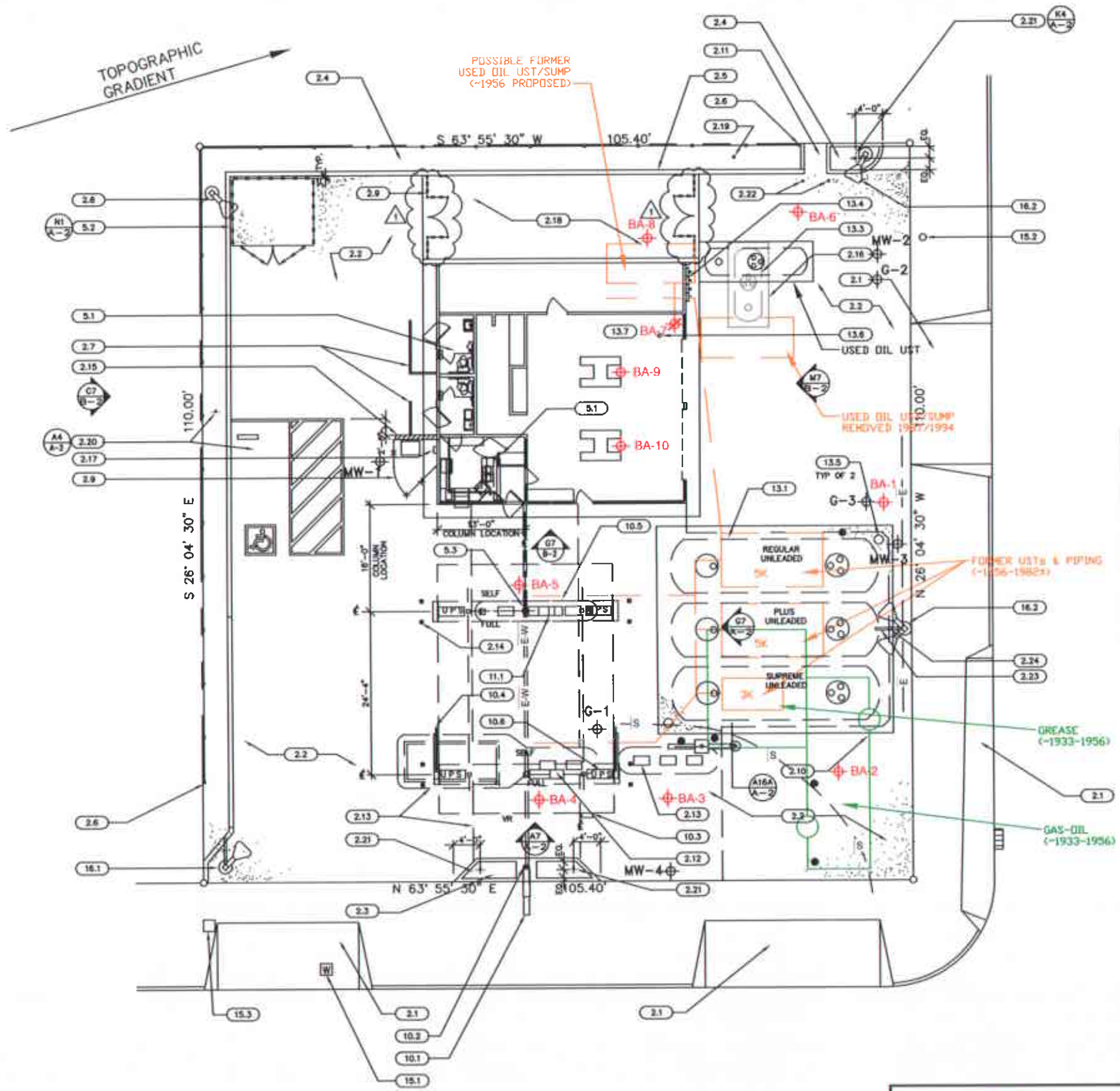
CHECKED BY:
-

APPROVED BY:
-

FIGURE:

1

DATE:
10/18/06



- LEGEND**
- SOIL BORING (BY OTHERS)
 - TANK PIT MONITOR WELL (BY OTHERS)
 - FORMER STRUCTURES (-1933-1956)
 - FORMER STRUCTURES (-1956-1994)
 - SOIL BORING
 - BORING ATTEMPT ABANDONED (DUE TO UTILITY CONFLICT)
 - UTILITY LOCATED DURING GEOPHYSICAL SURVEY AUGUST 15, 2006 (E - ELECTRICAL, S - SEWER, W - WATER)

NOTE: BASE MAP FROM CHEVRON

PARK BOULEVARD


EVERETT STREET



<p>SECOR 25864-F BUSINESS CENTER DR. REDLANDS, CALIFORNIA 92374-4515 PHONE: (909) 335-6116/335-6120 (FAX)</p>	FOR: CHEVRON NO. 9-3415 4500 PARK BOULEVARD OAKLAND, CALIFORNIA		SITE PLAN		FIGURE: 2
	JOB NUMBER: 04CH.93415.00	DRAWN BY: CDH	CHECKED BY: -	APPROVED BY: -	DATE: 10/20/06



LEGEND:

 SECOR 25884-F BUSINESS CENTER DR. REDLANDS, CALIFORNIA 92374-4515 PHONE: (909) 335-6116/335-6120 (FAX)	FOR: CHEVRON NO. 9-3415 4500 PARK BOULEVARD OAKLAND, CALIFORNIA		FIGURE: 3	
	JOB NUMBER: 04CH.93415.00	DRAWN BY: CDH	CHECKED BY: -	APPROVED BY: -

**APPENDIX A
DATABASE RADIUS REPORT**



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Chevron Site #9-3415
4500 Park Blvd
Oakland, CA 94602**

Inquiry Number: 1703775.30s

June 26, 2006

The Standard in Environmental Risk Management Information

**440 Wheelers Farms Road
Milford, Connecticut 06461**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

4500 PARK BLVD
OAKLAND, CA 94602

COORDINATES

Latitude (North): 37.808700 - 37° 48' 31.3"
Longitude (West): 122.218800 - 122° 13' 7.7"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 568767.3
UTM Y (Meters): 4184672.5
Elevation: 309 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 37122-G2 OAKLAND EAST, CA
Most Recent Revision: 1980

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
MARSHALL AND SONS CHEVRON SERVICE 4500 PARK BLVD. OAKLAND, CA 94602	HAZNET	N/A
TEXACO SERVICE STATION 4500 PARK BLVD WY OAKLAND, CA	EDR Historical Auto Stations	N/A
CHEVRON STATION NO 93415 4500 PARK BLVD OAKLAND, CA 94602	RCRA-SQG FINDS	CAR000122457
WARNER J T 4500 PARK BLVD OAKLAND, CA	EDR Historical Auto Stations	N/A
CHEVRON 4500 PARK BLVD OAKLAND, CA 94602	HAZNET LUST Facility Status: Case Closed Cortese CS SWEEPS UST	N/A

EXECUTIVE SUMMARY

CHEVRON STATION #93415 4500 PARK BLVD OAKLAND, CA 94602	UST	N/A
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93415 4500 PARK BLVD OAKLAND, CA 94602	HIST UST	N/A
--	----------	-----

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
Delisted NPL.....	National Priority List Deletions
NPL RECOVERY.....	Federal Superfund Liens
CERCLIS.....	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP.....	CERCLIS No Further Remedial Action Planned
CORRACTS.....	Corrective Action Report
RCRA-TSDF.....	Resource Conservation and Recovery Act Information
RCRA-LQG.....	Resource Conservation and Recovery Act Information
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
US BROWNFIELDS.....	A Listing of Brownfields Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
RAATS.....	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

AWP.....	Annual Workplan Sites
----------	-----------------------

EXECUTIVE SUMMARY

Cal-Sites.....	Calsites Database
CA BOND EXP. PLAN.....	Bond Expenditure Plan
NFA.....	No Further Action Determination
NFE.....	Properties Needing Further Evaluation
REF.....	Unconfirmed Properties Referred to Another Agency
SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
SWF/LF.....	Solid Waste Information System
CA WDS.....	Waste Discharge System
WMUDS/SWAT.....	Waste Management Unit Database
SWRCY.....	Recycler Database
CA FID UST.....	Facility Inventory Database
SLIC.....	Statewide SLIC Cases
AST.....	Aboveground Petroleum Storage Tank Facilities
CHMIRS.....	California Hazardous Material Incident Report System
DEED.....	Deed Restriction Listing
VCP.....	Voluntary Cleanup Program Properties
CLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
CDL.....	Clandestine Drug Labs
EMI.....	Emissions Inventory Data

TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STATE AND LOCAL RECORDS

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3

EXECUTIVE SUMMARY

Cortese sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SELK, LOUISA M	4317 EDGEWOOD	1/8 - 1/4 WSW	8	13
J & M SERVICE STATION #793	4035 PARK BLVD	1/4 - 1/2 WSW	14	14
PHH HOME EQUITY	1142 SUNNYHILLS RD	1/4 - 1/2 WNW	15	17

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 04/10/2006 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
J & M SERVICE STATION #793	4035 PARK BLVD	1/4 - 1/2 WSW	14	14
Facility Status: Remedial action (cleanup) Underway				
PHH HOME EQUITY	1142 SUNNYHILLS RD	1/4 - 1/2 WNW	15	17
Facility Status: Case Closed				

Alameda CS: A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

A review of the CS list, as provided by EDR, and dated 05/23/2006 has revealed that there are 3 CS sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ZELLA ALDRIDGE	1636 TRESTLE GLEN RD	1/4 - 1/2 NW	13	14
J & M SERVICE STATION #793	4035 PARK BLVD	1/4 - 1/2 WSW	14	14
PHH HOME EQUITY	1142 SUNNYHILLS RD	1/4 - 1/2 WNW	15	17

NOTIFY 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NONE	2801 MAC ARTHUR	1/2 - 1 SE	16	19

EDR PROPRIETARY RECORDS

EDR Historical Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to

EXECUTIVE SUMMARY

those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

A review of the EDR Historical Cleaners list, as provided by EDR, has revealed that there are 4 EDR Historical Cleaners sites within approximately 0.25 miles of the target property.

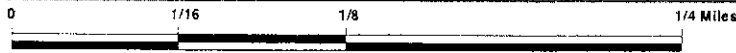
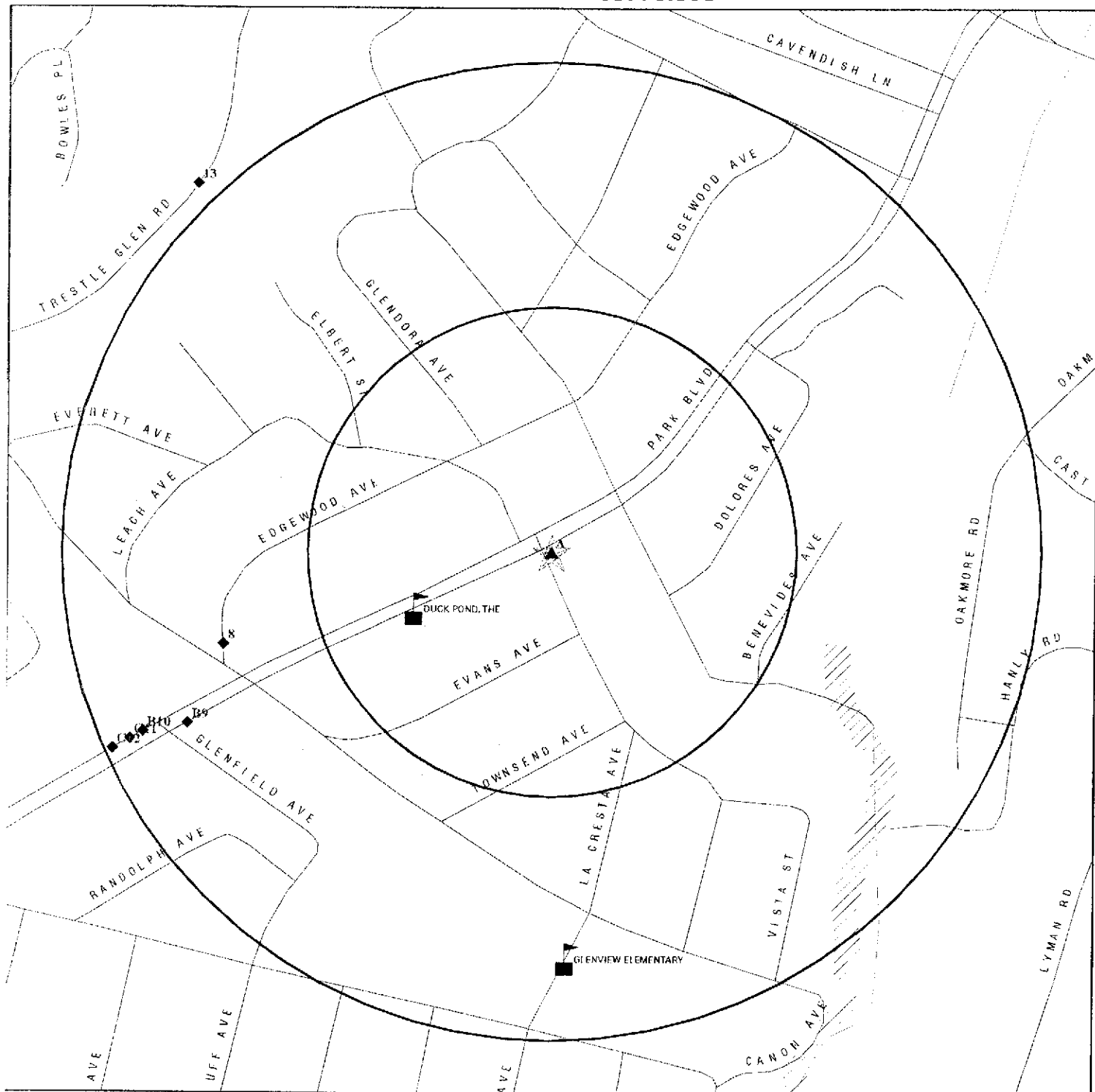
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GLENVIEW LAUNDRY	4236 PARK BLVD	1/8 - 1/4 WSW	B9	13
B & G CLEANERS	4209 PARK BLVD	1/8 - 1/4 WSW	B10	13
FRIGIDAIRE COIN WASH	4203 PARK BLVD	1/8 - 1/4 WSW	C11	14
YEE JOHNNY LAUNDRY	4195 PARK BLVD	1/8 - 1/4 WSW	C12	14

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
1675 7TH ST. UNION PACIFIC OAKLAND ARMY BASE	CHMIRS, CS LUST, CHMIRS HAZNET, LUST, CHMIRS, CA WDS
BATAVIA PROPERTY OAKLAND FISC UST SITE 211-1,2,3 EDGEWATER PROPERTY 8 ACRE SITE CHEVRON FUEL DOCK OAKLAND TERMINAL RAILWAY PROPERTY UPTOWN THEATER DISTRICT SITE B PROPERTIES ARROWHEAD MARSH SITE CHEVRON PROD CO OAKLAND AP TER AL S CHEVRON SERVICE	CERC-NFRAP LUST HAZNET ERNS SLIC SLIC SLIC SLIC CA WDS EDR Historical Auto Stations

DETAIL MAP - 1703775.30s



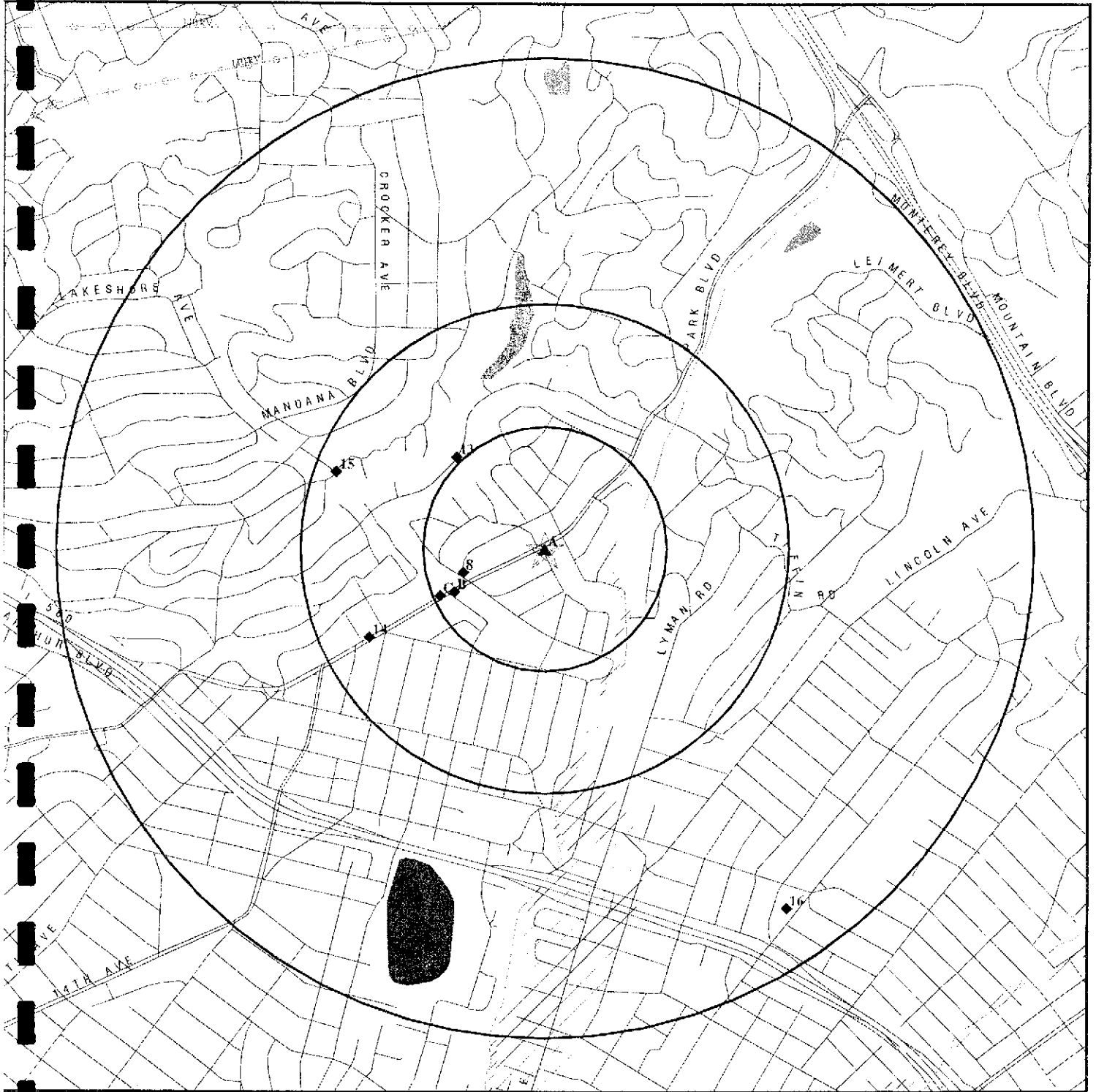
- ✱ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- ▬ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▩ 500-year flood zone
- ▧ Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: Chevron Site #9-3415 ADDRESS: 4500 Park Blvd Oakland CA 94602 LAT/LONG: 37.8087 / 122.2188</p>	<p>CLIENT: SECOR International, Inc. CONTACT: Kassandra Thompson INQUIRY #: 1703775.30s DATE: June 26, 2006</p>
--	--

OVERVIEW MAP - 1703775.30s



Target Property

- ▲ Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▧ 500-year flood zone
- National Wetland Inventory

■ Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Chevron Site #9-3415
 ADDRESS: 4500 Park Blvd
 Oakland CA 94602
 LAT/LONG: 37.8087 / 122.2188

CLIENT: SECOR International, Inc.
 CONTACT: Kassandra Thompson
 INQUIRY #: 1703775.30s
 DATE: June 26, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
NFA		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
REF		0.250	0	0	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
Cortese	X	0.500	0	1	2	NR	NR	3
SWRCY		0.500	0	0	0	NR	NR	0
LUST	X	0.500	0	0	2	NR	NR	2

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA FID UST		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
CS	X	0.500	0	0	3	NR	NR	3
UST	X	0.250	0	0	NR	NR	NR	0
HIST UST	X	0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
SWEEPS UST	X	0.250	0	0	NR	NR	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	1	NR	1
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations	X	0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	4	NR	NR	NR	4

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Database(s) EDR ID Number
 EPA ID Number

A1 **MARSHALL AND SONS CHEVRON SERVICE**
Target **4500 PARK BLVD.**
Property **OAKLAND, CA 94602**

HAZNET **S103660300**
 N/A

Site 1 of 7 in cluster A

Actual:
309 ft.

HAZNET:
 Gepaid: CAL000125072
 TSD EPA ID: CAD009452657
 Gen County: 1
 Tsd County: San Mateo
 Tons: 1.5219
 Facility Address 2: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Contact: JAMES MARSHALL
 Telephone: (000) 000-0000
 Mailing Name: Not reported
 Mailing Address: 4500 PARK BLVD
 OAKLAND, CA 94602 - 1441
 County 1

Gepaid: CAL000125072
 TSD EPA ID: CAD009452657
 Gen County: 1
 Tsd County: San Mateo
 Tons: 0.2293
 Facility Address 2: Not reported
 Waste Category: Aqueous solution with 10% or more total organic residues
 Disposal Method: Recycler
 Contact: JAMES MARSHALL
 Telephone: (000) 000-0000
 Mailing Name: Not reported
 Mailing Address: 4500 PARK BLVD
 OAKLAND, CA 94602 - 1441
 County 1

Gepaid: CAL000125072
 TSD EPA ID: CAD009452657
 Gen County: 1
 Tsd County: San Mateo
 Tons: 1.2301
 Facility Address 2: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Contact: JAMES MARSHALL
 Telephone: (000) 000-0000
 Mailing Name: Not reported
 Mailing Address: 4500 PARK BLVD
 OAKLAND, CA 94602 - 1441
 County 1

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MARSHALL AND SONS CHEVRON SERVICE (Continued)

S103660300

Gepaid: CAL000125072
 TSD EPA ID: CAD009452657
 Gen County: 1
 Tsd County: San Mateo
 Tons: 1.2510
 Facility Address 2: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Contact: JAMES MARSHALL
 Telephone: (000) 000-0000
 Mailing Name: Not reported
 Mailing Address: 4500 PARK BLVD
 OAKLAND, CA 94602 - 1441

County 1

Gepaid: CAL000125072
 TSD EPA ID: CAD009452657
 Gen County: 1
 Tsd County: San Mateo
 Tons: .8340
 Facility Address 2: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Contact: JAMES MARSHALL
 Telephone: (000) 000-0000
 Mailing Name: Not reported
 Mailing Address: 4500 PARK BLVD
 OAKLAND, CA 94602 - 1441

County 1

[Click this hyperlink](#) while viewing on your computer to access
 2 additional CA HAZNET record(s) in the EDR Site Report.

A2 **TEXACO SERVICE STATION**
 Target 4500 PARK BLVD WY
 Property OAKLAND, CA

EDR Historical Auto Stations 1009014593
 N/A

Actual: 309 ft.
 Site 2 of 7 in cluster A
 EDR Auto Stations:

Name: TEXACO SERVICE STATION
 Year: 1943
 Type: GASOLINE AND OIL SERVICE STATIONS

A3 **CHEVRON STATION NO 93415**
 Target 4500 PARK BLVD
 Property OAKLAND, CA 94602

RCRA-SQG 1005904418
FINDS CAR000122457

Actual: 309 ft.
 Site 3 of 7 in cluster A

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CHEVRON STATION NO 93415 (Continued)

EDR ID Number
 EPA ID Number

1005904418

RCRAInfo:
 Owner: CHEVRON PRODUCTS CO
 (925) 842-5931
 EPA ID: CAR000122457
 Contact: KATHY NORRIS
 (925) 842-5931
 Classification: Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A4
 Target
 Property

WARNER J T
4500 PARK BLVD
OAKLAND, CA

EDR Historical Auto Stations 1009014404
 N/A

Actual:
 309 ft.

Site 4 of 7 in cluster A

EDR Auto Stations:
 Name: WARNER J T
 Year: 1933
 Type: GASOLINE AND OIL SERVICE STATIONS

A5
 Target
 Property

CHEVRON
4500 PARK BLVD
OAKLAND, CA 94602

HAZNET S103660299
 LUST N/A
 Cortese
 CS
 SWEEPS UST

Actual:
 309 ft.

Site 5 of 7 in cluster A

State LUST:
 Cross Street: Not reported
 Qty Leaked: Not reported
 Case Number: 01-2439
 Reg Board: San Francisco Bay Region
 Chemical: Gasoline
 Lead Agency: Local Agency
 Local Agency: 01000L
 Case Type: Soil only
Status: Case Closed
 Review Date: 1994-12-01 00:00:00
 Workplan: Not reported
 Pollution Char: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: 2002-02-07 00:00:00
 Release Date: 1994-11-28 00:00:00
 Cleanup Fund Id: Not reported
 Discover Date: 1994-11-28 00:00:00
 Enforcement Dt: Not reported

Confirm Leak: 1994-12-01 00:00:00
 Prelim Assess: Not reported
 Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEVRON (Continued)

S103660299

Enf Type: Not reported
Enter Date : 1998-09-30 00:00:00
Funding: Not reported
Staff Initials: AG
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 145
Beneficial: Not reported
Staff : Not reported
GW Qualifier : Not reported
Max MTBE Soil : 1 Parts per Million
Soil Qualifier : <
Hydr Basin #: UNNAMED BASIN
Operator : Not reported
Oversight Prgm: LUST
Review Date : 2002-01-04 00:00:00
Stop Date : 1994-11-28 00:00:00
Work Suspended :Not reported
Responsible Party:BLANK RP
RP Address: Not reported
Global Id: T0600102247
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mtb Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : NEW CASE PER ACHD UPDATE - 9/98.

LUST Region 2:

Region: 2
Case Number: 145
Facility Id: 01-2439
Facility Status: Preliminary site assessment underway
How Discovered: TC
Leak Cause: UNK
Leak Source: UNK
Oversight Program: LUST
Date Leak Confirmed: 12/1/1994
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/2/1965
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Remediation Action Underway: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEVRON (Continued)

S103660299

Alameda County Contaminated Sites:

Record id : RO0000512
PE : 5602
Status : Case Closed

HAZNET:

Gepaid: CAL000030030
TSD EPA ID: CAD980883177
Gen County: 1
Tsd County: Kern
Tons: 3.3360
Facility Address 2: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: CHERVON PRODUCTS CO
Telephone: (925) 842-5931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
SAN RAMON, CA 94583

County 1

Gepaid: CAL000030030
TSD EPA ID: CAD009466392
Gen County: 1
Tsd County: 7
Tons: .2500
Facility Address 2: Not reported
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Disposal, Other
Contact: CHERVON PRODUCTS CO
Telephone: (925) 842-5931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
SAN RAMON, CA 94583

County 1

Gepaid: CAL000030030
TSD EPA ID: CA0000084517
Gen County: Alameda
Tsd County: Alameda
Tons: 0.1
Facility Address 2: Not reported
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: KATHY NORRIS
Telephone: (925) 842-5931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
SAN RAMON, CA 94583

County 1

CORTESE:

Region: CORTESE
Fac Address 2: 4500 PARK BLVD

SWEEPS:

Status : A
Comp Number : 62436
Number : 2

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEVRON (Continued)

S103660299

Board Of Equalization : 44-031913
Ref Date : 12-22-92
Act Date : 04-14-93
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 1
Swrcb Tank Id : 01-000-062436-000001
Actv Date : 07-01-85
Capacity : 1000
Tank Use : UNKNOWN
Stg : W
Content : Not reported
Number Of Tanks : 4

Status : A
Comp Number : 62436
Number : 2
Board Of Equalization : 44-031913
Ref Date : 12-22-92
Act Date : 04-14-93
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 2
Swrcb Tank Id : 01-000-062436-000002
Actv Date : 12-22-92
Capacity : 10000
Tank Use : M.V. FUEL
Stg : P
Content : PRM UNLEADED
Number Of Tanks : Not reported

Status : A
Comp Number : 62436
Number : 2
Board Of Equalization : 44-031913
Ref Date : 12-22-92
Act Date : 04-14-93
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 3
Swrcb Tank Id : 01-000-062436-000003
Actv Date : 12-22-92
Capacity : 10000
Tank Use : M.V. FUEL
Stg : P
Content : PRM UNLEADED
Number Of Tanks : Not reported

Status : A
Comp Number : 62436
Number : 2
Board Of Equalization : 44-031913
Ref Date : 12-22-92
Act Date : 04-14-93
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : 4

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CHEVRON (Continued)

Swrcb Tank Id : 01-000-062436-000004
 Actv Date : 12-22-92
 Capacity : 10000
 Tank Use : M.V. FUEL
 Stg : P
 Content : REG UNLEADED
 Number Of Tanks : Not reported

Database(s)
 EDR ID Number
 EPA ID Number

S103660299

A6
 Target
 Property

CHEVRON STATION #93415
4500 PARK BLVD
OAKLAND, CA 94602

UST U003982015
 N/A

Actual:
 309 ft.

Site 6 of 7 in cluster A

State UST:
 Facility ID: 216
 Region: STATE
 Local Agency: 01060

A7
 Target
 Property

93415
4500 PARK BLVD
OAKLAND, CA 94602

HIST UST U001599039
 N/A

Actual:
 309 ft.

Site 7 of 7 in cluster A

UST HIST:

Facility ID: 62436
 Total Tanks: 4
 Owner Address: 575 MARKET
 SAN FRANCISCO, CA 94105
 Tank Used for: WASTE
 Tank Num: 1
 Tank Capacity: 00001000
 Type of Fuel: Not reported
 Leak Detection: Stock Inventor
 Contact Name: MARSHALL, JAMES S
 Facility Type: Gas Station

Owner Name: CHEVRON U.S.A. INC.
 Region: STATE

Container Num: 1
 Year Installed: Not reported
 Tank Construction: 0000370 unknown

Telephone: (415) 530-9865
 Other Type: Not reported

Facility ID: 62436
 Total Tanks: 4
 Owner Address: 575 MARKET
 SAN FRANCISCO, CA 94105

Owner Name: CHEVRON U.S.A. INC.
 Region: STATE

Tank Used for: PRODUCT
 Tank Num: 2
 Tank Capacity: 00010000
 Type of Fuel: Not reported
 Leak Detection: Stock Inventor

Container Num: 2
 Year Installed: Not reported
 Tank Construction: 0000370 unknown

Telephone: (415) 530-9865
 Other Type: Not reported

Facility ID: 62436
 Total Tanks: 4
 Owner Address: 575 MARKET
 SAN FRANCISCO, CA 94105

Owner Name: CHEVRON U.S.A. INC.
 Region: STATE

Tank Used for: PRODUCT
 Tank Num: 3
 Tank Capacity: 00010000
 Type of Fuel: Not reported

Container Num: 3
 Year Installed: Not reported
 Tank Construction: 0000370 unknown

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s)
 EDR ID Number
 EPA ID Number

93415 (Continued)

U001599039

Leak Detection:	Stock Inventor	Telephone:	(415) 530-9865
Contact Name:	MARSHALL, JAMES S	Other Type:	Not reported
Facility Type:	Gas Station		
Facility ID:	62436	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	4	Region:	STATE
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105		
Tank Used for:	PRODUCT		
Tank Num:	4	Container Num:	4
Tank Capacity:	00010000	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	0000370 unknown
Leak Detection:	Stock Inventor		
Contact Name:	MARSHALL, JAMES S	Telephone:	(415) 530-9865
Facility Type:	Gas Station	Other Type:	Not reported

8
 WSW
 1/8-1/4
 921 ft.

SELK, LOUISA M
 4317 EDGEWOOD
 OAKLAND, CA 94602

Cortese S105025297
 N/A

Relative:
 Lower
 Actual:
 277 ft.

CORTESE:
 Region: CORTESE
 Fac Address 2: Not reported
 Region: CORTESE
 Fac Address 2: Not reported

B9
 WSW
 1/8-1/4
 1086 ft.

GLENVIEW LAUNDRY
 4236 PARK BLVD
 OAKLAND, CA

EDR Historical Cleaners 1009140963
 N/A

Relative:
 Lower
 Actual:
 271 ft.

Site 1 of 2 in cluster B
 EDR Cleaners:
 Name: GLENVIEW LAUNDRY
 Year: 1967
 Type: LAUNDRIES

B10
 WSW
 1/8-1/4
 1203 ft.

B & G CLEANERS
 4209 PARK BLVD
 OAKLAND, CA

EDR Historical Cleaners 1009140487
 N/A

Relative:
 Lower
 Actual:
 272 ft.

Site 2 of 2 in cluster B
 EDR Cleaners:
 Name: B & G CLEANERS
 Year: 1967
 Type: CLEANERS AND DYERS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

C11 **FRIGIDAIRE COIN WASH** **EDR Historical Cleaners** **1009142838**
WSW **4203 PARK BLVD** **N/A**
1/8-1/4 **OAKLAND, CA**

Site 1 of 2 in cluster C

Relative: EDR Cleaners:
 Lower Name: FRIGIDAIRE COIN WASH
 Actual: Year: 1967
 272 ft. Type: LAUNDRIES

C12 **YEE JOHNNY LAUNDRY** **EDR Historical Cleaners** **1009142747**
WSW **4195 PARK BLVD** **N/A**
1/8-1/4 **OAKLAND, CA**

Site 2 of 2 in cluster C

Relative: EDR Cleaners:
 Lower Name: YEE JOHNNY LAUNDRY
 Actual: Year: 1967
 270 ft. Type: LAUNDRIES

13 **ZELLA ALDRIDGE** **HAZNET** **S106661223**
NW **1636 TRESTLE GLEN RD** **CS** **N/A**
1/4-1/2 **OAKLAND, CA 94610**

Relative: Alameda County Contaminated Sites:
 Lower Record Id : RO0002599
 PE : 5602
 Actual: Status : No Action
 169 ft.

HAZNET:
 Gepaid: CAC002569550
 TSD EPA ID: CAL000161743
 Gen County: Alameda
 Tsd County: Alameda
 Tons: 1.45
 Facility Address 2: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Recycler
 Contact: ZELLA ALDRIDGE
 Telephone: (510) 486-2413
 Mailing Name: Not reported
 Mailing Address: 727 E 24TH ST
 OAKLAND, CA 94606
 County 1

14 **J & M SERVICE STATION #793** **LUST** **S101579961**
WSW **4035 PARK BLVD** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94602** **CA FID UST**
2123 ft. **CS**
 SWEEPS UST

Relative: State LUST:
 Lower Cross Street: Not reported
 Actual: Qty Leaked: Not reported
 231 ft. Case Number 01-0170
 Reg Board: San Francisco Bay Region
 Chemical: Gasoline

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

J & M SERVICE STATION #793 (Continued)

S101579961

Lead Agency: Local Agency
Local Agency : 01000L
Case Type: Other ground water affected
Status: Remedial action (cleanup) Underway
Abate Method: Vapor Extraction, Vent Soil - bore holes in soil to allow volatilization of contaminants
Review Date: 1989-11-30 00:00:00 Confirm Leak: 1989-11-30 00:00:00
Workplan: 1989-12-14 00:00:00 Prelim Assess: 1989-12-14 00:00:00
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: 1989-12-15 00:00:00
Monitoring: Not reported
Close Date: Not reported
Release Date: 1989-11-30 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1989-11-30 00:00:00
Enforcement Dt : 1992-03-20 00:00:00
Enf Type: EF
Enter Date : 1991-05-02 00:00:00
Funding: Federal Funds
Staff Initials: JTW
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Yes
Leak Cause: Structure Failure
Leak Source: Tank
MTBE Date : 1998-11-24 00:00:00
Max MTBE GW : 11 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 1248
Beneficial: Not reported
Staff : Not reported
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: UNNAMED BASIN
Operator : Not reported
Oversight Prgm: LUST
Review Date : 2001-08-02 00:00:00
Stop Date : 1989-11-30 00:00:00
Work Suspended No
Responsible Party: BLANK RP
RP Address: Not reported
Global Id: T0600100158
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mtb Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : 2/6QR+SVE RESUMED; LOP UPDATE--10/21/93. CURRENT MTBE DATE 8/26/99. INSTALLED RECEPTOR TRENCH 10/20/99.

LUST Region 2:
Region:

2

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

J & M SERVICE STATION #793 (Continued)

S101579961

Case Number: 1248
Facility Id: 01-0170
Facility Status: Remedial action (cleanup) Underway
How Discovered: TC
Leak Cause: Structure Failure
Leak Source: Tank
Oversight Program: LUST
Date Leak Confirmed: 11/30/1989
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 12/14/1989
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: 12/15/1989
Date Remediation Action Underway: Not reported

Alameda County Contaminated Sites:

Record Id : RO0000429
PE : 5602
Status : Remedial action (cleanup) Underway

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

FID:

Facility ID: 01000289 Regulate ID: 00009207
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Active Facility Tel: (415) 531-9995
Mail To: Not reported
P O BOX
OAKLAND, CA 94602
Contact: Not reported Contact Tel: Not reported
DUNs No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

SWEEPS:

Status : A
Comp Number : 9207
Number : 9
Board Of Equalization : 44-000129
Ref Date : 05-16-91
Act Date : 05-16-91
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : #1
Swrcb Tank Id : 01-000-009207-000001
Actv Date : 07-01-85
Capacity : 8000
Tank Use : M.V. FUEL
Stg : P
Content : LEADED
Number Of Tanks : 4

Status : A
Comp Number : 9207
Number : 9

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

J & M SERVICE STATION #793 (Continued)

S101579961

Board Of Equalization : 44-000129
Ref Date : 05-16-91
Act Date : 05-16-91
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : #2
Swrcb Tank Id : 01-000-009207-000002
Actv Date : 07-01-85
Capacity : 8000
Tank Use : M.V. FUEL
Stg : P
Content : REG UNLEADED
Number Of Tanks : Not reported

Status : A
Comp Number : 9207
Number : 9
Board Of Equalization : 44-000129
Ref Date : 05-16-91
Act Date : 05-16-91
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : #3
Swrcb Tank Id : 01-000-009207-000003
Actv Date : 07-01-85
Capacity : 10000
Tank Use : M.V. FUEL
Stg : P
Content : REG UNLEADED
Number Of Tanks : Not reported

Status : A
Comp Number : 9207
Number : 9
Board Of Equalization : 44-000129
Ref Date : 05-16-91
Act Date : 05-16-91
Created Date : 02-29-88
Tank Status : A
Owner Tank Id : #4
Swrcb Tank Id : 01-000-009207-000004
Actv Date : 07-01-85
Capacity : 280
Tank Use : OIL
Stg : W
Content : WASTE OIL
Number Of Tanks : Not reported

15
WNW
1/4-1/2
2407 ft.
PHH HOME EQUITY
1142 SUNNYHILLS RD
OAKLAND, CA 94610

LUST S100942348
Cortese N/A
CS
SWEEPS UST

Relative: State LUST:
Lower Cross Street: Not reported
Qty Leaked: Not reported
Actual: Case Number 01-1840
231 ft. Reg Board: San Francisco Bay Region
Chemical: Diesel

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PHH HOME EQUITY (Continued)

S100942348

Lead Agency: Local Agency
Local Agency : 01000L
Case Type: Undefined
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: 1993-08-13 00:00:00 Confirm Leak: 1993-08-13 00:00:00
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1997-04-06 00:00:00
Release Date: 1993-08-11 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1993-08-11 00:00:00
Enforcement Dt : 1993-08-13 00:00:00
Enf Type: EF
Enter Date : 1993-11-09 00:00:00
Funding: Federal Funds
Staff Initials: AG
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 4611
Beneficial: Not reported
Staff : Not reported
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: UNNAMED BASIN
Operator : Not reported
Oversight Prgm: LUST
Review Date : 1997-07-10 00:00:00
Stop Date : 1993-08-11 00:00:00
Work Suspended No
Responsible Party: BLANK RP
RP Address: Not reported
Global Id: T0600101706
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary : LOP UPDATE--10/21/93.REQ. CASE CLOSURE 4/1/97 CASE CLOSED MAY 6,1997+

LUST Region 2:
Region:

2

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PHH HOME EQUITY (Continued)

S100942348

Case Number: 4611
 Facility Id: 01-1840
 Facility Status: Case Closed
 How Discovered: TC
 Leak Cause: UNK
 Leak Source: Tank
 Oversight Program: LUST
 Date Leak Confirmed: 8/13/1993
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Remediation Action Underway: Not reported

Alameda County Contaminated Sites:

Record Id : RO0000535
 PE : 5602
 Status : Case Closed

CORTESE:

Region: CORTESE
 Fac Address 2: 1142 SUNNYHILLS RD

SWEEPS:

Status : Not reported
 Comp Number : 7201
 Number : Not reported
 Board Of Equalization : Not reported
 Ref Date : Not reported
 Act Date : Not reported
 Created Date : Not reported
 Tank Status : Not reported
 Owner Tank Id : Not reported
 Swrcb Tank Id : 01-000-007201-000001
 Actv Date : Not reported
 Capacity : 500
 Tank Use : PETROLEUM
 Stg : PRODUCT
 Content : FUEL OIL
 Number Of Tanks : 1

16
 SE
 1/2-1
 4684 ft.

NONE
2801 MAC ARTHUR
OAKLAND, CA 92626

Notify 65 S100179093
N/A

Relative:
Lower

NOTIFY 65:

Date Reported: Not reported Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92626

Actual:
204 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
OAKLAND	S106234893	OAKLAND TERMINAL RAILWAY PROPERTY	HWY 80/HWY 580 INTERCHANGE S OF EMERYVIL		SLIC
OAKLAND	1009013085	AL S CHEVRON SERVICE	1701 14TH AVE		EDR Historical Auto Stations
OAKLAND	S105194665	UNION PACIFIC	5TH AVE / 7TH ST		LUST, CHMIRS
OAKLAND	S103881512	UPTOWN THEATER DISTRICT	BORDERED BY 20TH ST SAN PABLO AVE 17TH		SLIC
OAKLAND	98454138	CHEVRON FUEL DOCK	CHEVRON FUEL DOCK		ERNS
OAKLAND	S106101695	CHEVRON PROD CO OAKLAND AP TER	6600 NORTH EARHART DRIVE		CA WDS
OAKLAND	S106235166	SITE B PROPERTIES	EMBARCADERO AT ALICE STREET		SLIC
OAKLAND	S103678673	EDGEWATER PROPERTY 8 ACRE SITE	END OF EDGEWATER DR		HAZNET
OAKLAND	S104571883		OAKLAND ARMY BASE		HAZNET, LUST, CHMIRS, CA WDS
OAKLAND	S106487251	ARROWHEAD MARSH SITE	PARDEE DR AT SWAN WAY		SLIC
OAKLAND	S105642360		1675 7TH ST.		CHMIRS, CS
OAKLAND	S105691370	OAKLAND FISC UST SITE 211-1,2,3	300 3RD STREET NEAR CORNER OF B STREET		LUST
OAKLAND	1003880072	BATAVIA PROPERTY	1832 9TH STREET		CERC-NFRAP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 05/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/27/2006	Telephone: 800-424-9346
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/27/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 06/26/2006
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 04/26/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-366-4555
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/14/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 03/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 03/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/26/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/28/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 32

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/05/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/21/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003	Source: EPA
Date Data Arrived at EDR: 07/13/2005	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/2005	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/12/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006	Source: EPA
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 03/06/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 04/11/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 06/02/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/29/2006	Telephone: 303-231-5959
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 03/29/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/26/2006
	Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/27/2006	Source: EPA
Date Data Arrived at EDR: 05/02/2006	Telephone: N/A
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/16/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

AWP: Annual Workplan Sites

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/29/2005
Date Made Active in Reports: 09/21/2005
Number of Days to Update: 23

Source: California Environmental Protection Agency
Telephone: 916-323-3400
Last EDR Contact: 05/10/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/29/2005
Date Made Active in Reports: 09/21/2005
Number of Days to Update: 23

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 05/10/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NFA: No Further Action Determination

This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/29/2005
Date Made Active in Reports: 10/06/2005
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/10/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Quarterly

NFE: Properties Needing Further Evaluation

This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/29/2005
Date Made Active in Reports: 09/21/2005
Number of Days to Update: 23

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/10/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

REF: Unconfirmed Properties Referred to Another Agency

This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/29/2005
Date Made Active in Reports: 10/06/2005
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/10/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Quarterly

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/29/2005
Date Made Active in Reports: 10/06/2005
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 05/01/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/13/2006
Date Data Arrived at EDR: 03/15/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 29

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 03/20/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
Last EDR Contact: 04/25/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 04/07/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Quarterly

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-341-5752
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 03/28/2006
Next Scheduled EDR Contact: 06/26/2006
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-4130
Last EDR Contact: 05/08/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491
Last EDR Contact: 05/22/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Date of Government Version: 04/01/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/26/2006
Number of Days to Update: 29

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 04/27/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
Last EDR Contact: 05/22/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 04/10/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-341-5752
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 04/10/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 04/05/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 04/06/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 04/05/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 05/31/2006
Date Data Arrived at EDR: 06/01/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 14

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 05/30/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/01/2006
Number of Days to Update: 20

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Semi-Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 01/30/2006
Date Data Arrived at EDR: 01/30/2006
Date Made Active in Reports: 02/17/2006
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 05/26/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 11/30/2005
Date Made Active in Reports: 01/19/2006
Number of Days to Update: 50

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 05/22/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 04/04/2006
Date Data Arrived at EDR: 04/05/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 36

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/05/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/29/2005
Date Made Active in Reports: 09/21/2005
Number of Days to Update: 23

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/18/2005
Date Data Arrived at EDR: 04/18/2005
Date Made Active in Reports: 05/06/2005
Number of Days to Update: 18

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 04/30/2006
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 05/26/2006
Number of Days to Update: 22

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 05/17/2006
Date Data Arrived at EDR: 05/17/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/08/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2003	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/11/2005	Telephone: 916-255-1136
Date Made Active in Reports: 10/31/2005	Last EDR Contact: 05/11/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2004	Source: California Air Resources Board
Date Data Arrived at EDR: 04/14/2006	Telephone: 916-322-2990
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 04/14/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 202-208-3710
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Semi-Annually

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 09/07/2005	Source: EPA Region 10
Date Data Arrived at EDR: 09/08/2005	Telephone: 206-553-2857
Date Made Active in Reports: 10/31/2005	Last EDR Contact: 05/23/2006
Number of Days to Update: 53	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Varies

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/22/2006	Telephone: 415-972-3372
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 02/20/2006
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/22/2006
	Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 03/01/2006	Source: EPA Region 9
Date Data Arrived at EDR: 03/22/2006	Telephone: 415-972-3368
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 05/23/2006
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 05/23/2006
Date Data Arrived at EDR: 05/24/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 22

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/25/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Semi-Annually

Underground Tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/27/2006
Date Data Arrived at EDR: 02/28/2006
Date Made Active in Reports: 03/23/2006
Number of Days to Update: 23

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/25/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 03/20/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/30/2006
Next Scheduled EDR Contact: 05/29/2006
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/10/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 31

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/10/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 03/27/2006
Date Data Arrived at EDR: 03/28/2006
Date Made Active in Reports: 05/01/2006
Number of Days to Update: 34

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/23/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

City of El Segundo Underground Storage Tank

Date of Government Version: 05/30/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 14

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 05/30/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Long Beach Underground Storage Tank

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Date of Government Version: 05/06/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 14

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 05/30/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Semi-Annually

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/31/2006
Date Data Arrived at EDR: 03/24/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 20

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Date of Government Version: 05/16/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 16

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 05/18/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

City of Los Angeles Landfills

Date of Government Version: 03/01/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/05/2006
Date Data Arrived at EDR: 02/16/2006
Date Made Active in Reports: 03/13/2006
Number of Days to Update: 25

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 02/10/2006
Date Data Arrived at EDR: 02/28/2006
Date Made Active in Reports: 03/23/2006
Number of Days to Update: 23

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 05/01/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Semi-Annually

NAPA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sites With Reported Contamination

Date of Government Version: 04/03/2006
Date Data Arrived at EDR: 04/04/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 9

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/27/2006
Next Scheduled EDR Contact: 06/26/2006
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Date of Government Version: 04/03/2006
Date Data Arrived at EDR: 04/04/2006
Date Made Active in Reports: 05/01/2006
Number of Days to Update: 27

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/27/2006
Next Scheduled EDR Contact: 06/26/2006
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2006
Date Data Arrived at EDR: 03/29/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 15

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/01/2006
Date Data Arrived at EDR: 03/28/2006
Date Made Active in Reports: 05/01/2006
Number of Days to Update: 34

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 04/03/2006
Date Data Arrived at EDR: 04/04/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 9

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 03/20/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Tank List

Date of Government Version: 05/19/2006
Date Data Arrived at EDR: 05/19/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 26

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/19/2006
Date Data Arrived at EDR: 05/19/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS - Contaminated Sites

Date of Government Version: 05/09/2006
Date Data Arrived at EDR: 05/30/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 16

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/02/2006
Date Data Arrived at EDR: 02/10/2006
Date Made Active in Reports: 03/13/2006
Number of Days to Update: 31

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/22/2006
Date Data Arrived at EDR: 03/23/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 21

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 04/28/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 12/29/2005
Date Made Active in Reports: 01/19/2006
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 06/06/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversight Facilities

Date of Government Version: 03/16/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

Underground Storage Tank Information

Date of Government Version: 03/16/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 02/28/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/17/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 05/26/2006
Number of Days to Update: 24

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Annually

Fuel Leak List

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/2006
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 17

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/10/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/28/2006
Next Scheduled EDR Contact: 06/26/2006
Data Release Frequency: No Update Planned

LOP Listing

A listing of open leaking underground storage tanks.

Date of Government Version: 03/29/2006
Date Data Arrived at EDR: 03/30/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 03/28/2006
Next Scheduled EDR Contact: 06/26/2006
Data Release Frequency: Varies

Hazardous Material Facilities

Date of Government Version: 03/09/2006
Date Data Arrived at EDR: 03/13/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 31

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/10/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 31

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/27/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Quarterly

Underground Storage Tanks

Date of Government Version: 04/25/2006
Date Data Arrived at EDR: 05/08/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 37

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 04/13/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/27/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/26/2006
Number of Days to Update: 29

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Date of Government Version: 12/31/0005
Date Data Arrived at EDR: 01/05/2006
Date Made Active in Reports: 01/31/2006
Number of Days to Update: 26

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 05/25/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 02/24/2006
Date Data Arrived at EDR: 03/31/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 13

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2005
Date Data Arrived at EDR: 09/20/2005
Date Made Active in Reports: 10/06/2005
Number of Days to Update: 16

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/24/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 17

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/24/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 25

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Quarterly

YOLO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Comprehensive Facility Report

Date of Government Version: 04/17/2006
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 06/14/2006
Number of Days to Update: 34

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 8

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/17/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/01/2006
Date Made Active in Reports: 04/20/2006
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/17/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CHEVRON SITE #9-3415
4500 PARK BLVD
OAKLAND, CA 94602

TARGET PROPERTY COORDINATES

Latitude (North): 37.80870 - 37° 48' 31.3"
Longitude (West): 122.2188 - 122° 13' 7.7"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 568767.3
UTM Y (Meters): 4184672.5
Elevation: 309 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 37122-G2 OAKLAND EAST, CA
Most Recent Revision: 1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

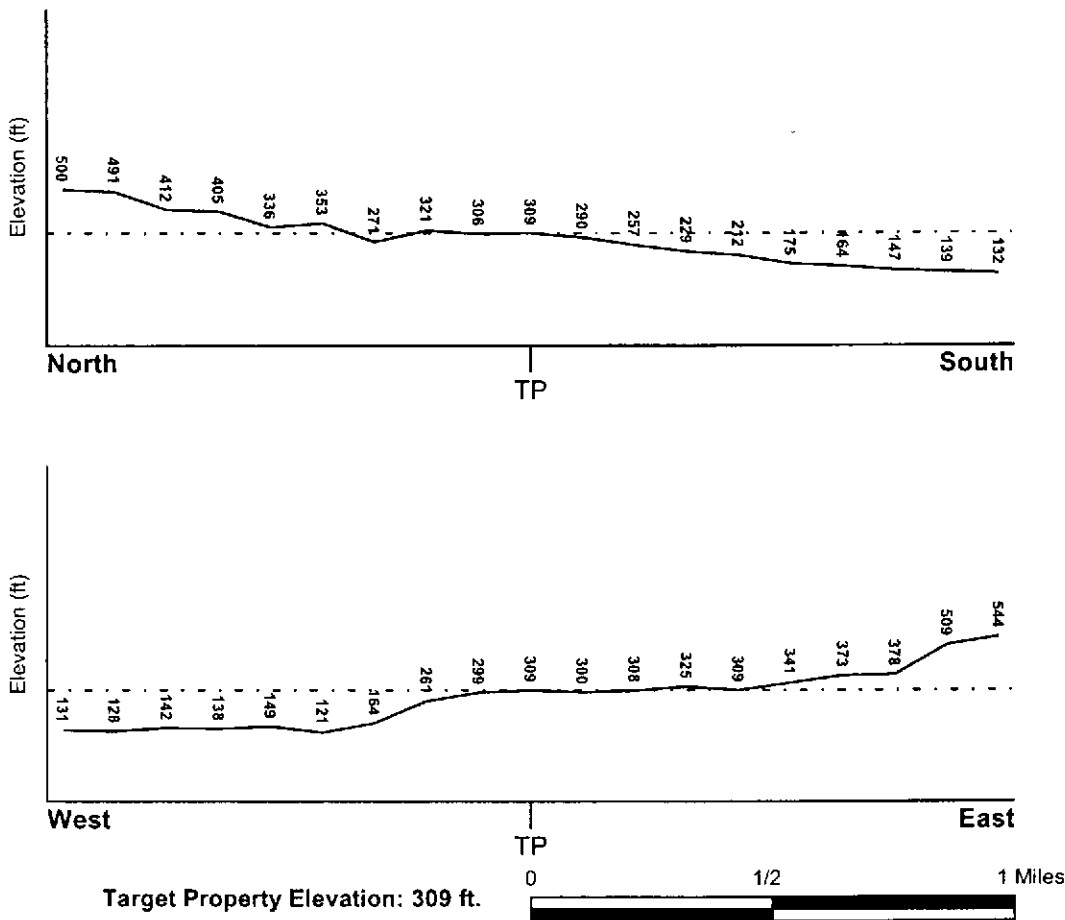
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> ALAMEDA, CA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	0650480020B
Additional Panels in search area:	0600110000A

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> OAKLAND EAST	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	0 - 1/8 Mile West	Varies
A2	1/2 - 1 Mile South	NE,W,Varies
A3	1/2 - 1 Mile South	SW
B4	1/2 - 1 Mile NNW	NE
B5	1/2 - 1 Mile NNW	NE
B6	1/2 - 1 Mile NNW	NE
C7	1/2 - 1 Mile SW	E
C8	1/2 - 1 Mile SW	E
9	1/2 - 1 Mile WSW	E

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

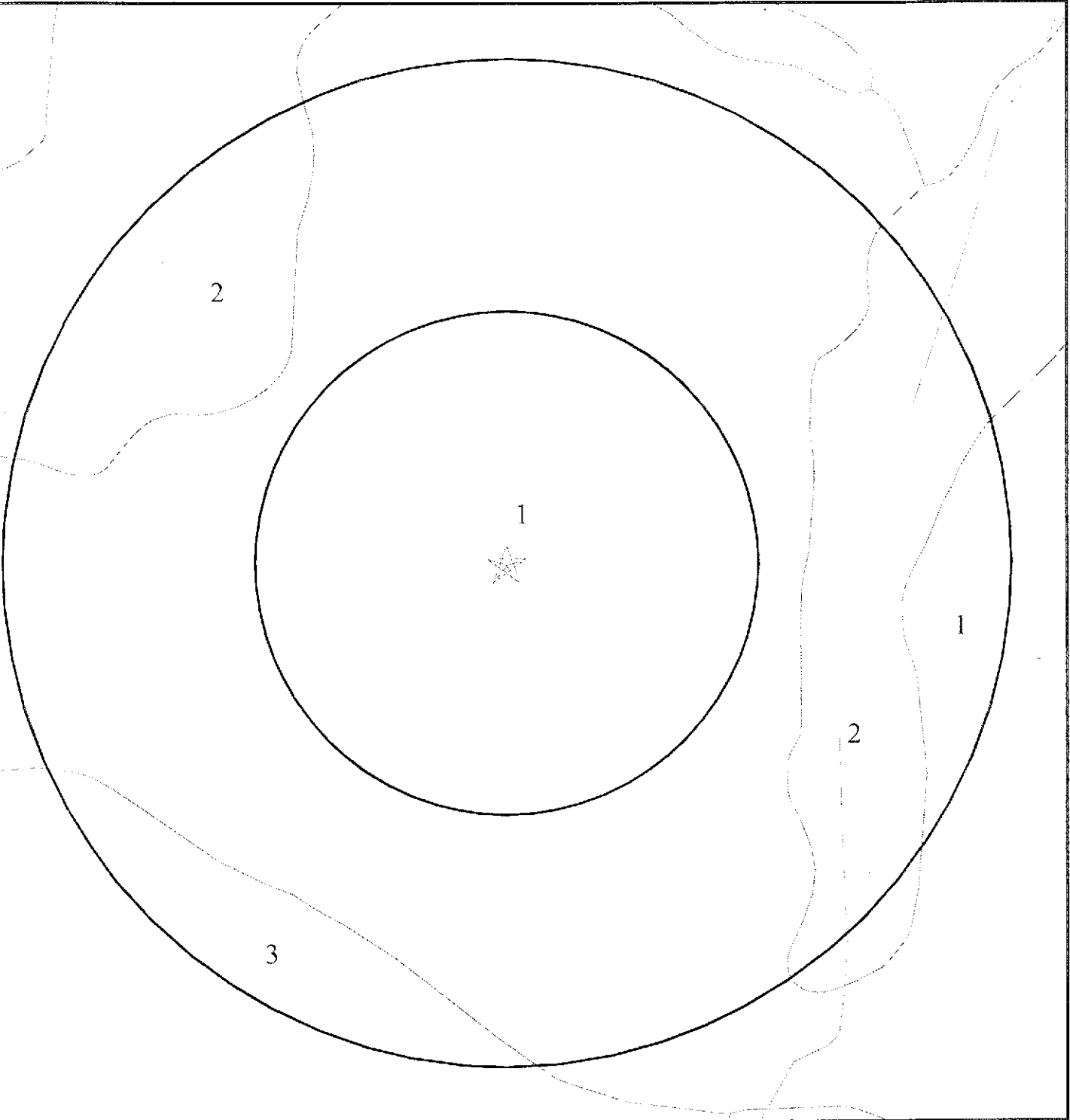
Era: Mesozoic
System: Cretaceous
Series: Upper Mesozoic
Code: uMze(*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 1703775.30s



Target Property
SSURGO Soil
Water



SITE NAME: Chevron Site #9-3415
ADDRESS: 4500 Park Blvd
Oakland CA 94602
LAT/LONG: 37.8087 / 122.2188

CLIENT: SECOR International, Inc.
CONTACT: Kassandra Thompson
INQUIRY #: 1703775.30s
DATE: June 26, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: XERORTHENTS

Soil Surface Texture: Not reported

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	60 inches		Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

Soil Map ID: 2

Soil Component Name: MAYMEN

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	19 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 4.50
2	19 inches	23 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

Soil Map ID: 3

Soil Component Name: TIERRA

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.50 Min: 5.60

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	12 inches	32 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.06 Min: 0.00	Max: 7.30 Min: 5.60
3	32 inches	60 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.20 Min: 0.06	Max: 8.40 Min: 5.60

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID

WELL ID

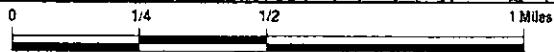
LOCATION
FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 1703775.30s



- ⚡ County Boundary
- ⚡ Major Roads
- ⚡ Contour Lines
- ⚡ Earthquake Fault Lines
- ⊙ Earthquake epicenter, Richter 5 or greater
- ⊙ Water Wells
- ⊙ Public Water Supply Wells
- Cluster of Multiple Icons



- ↑ Groundwater Flow Direction
- ⊙ Indeterminate Groundwater Flow at Location
- ⊙ Groundwater Flow Varies at Location
- ⊙ Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Chevron Site #9-3415
 ADDRESS: 4500 Park Blvd
 Oakland CA 94602
 LAT/LONG: 37.8087 / 122.2188

CLIENT: SECOR International, Inc.
 CONTACT: Cassandra Thompson
 INQUIRY #: 1703775.30s
 DATE: June 26, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 West 0 - 1/8 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0145 Varies Not Reported Not Reported 20 ft 09/09/1991	AQUIFLOW	51881
A2 South 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1952 NE,W,Varies Not Reported Not Reported Not Reported 02/16/1998	AQUIFLOW	55845
A3 South 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1952 SW Not Reported Not Reported 5 05/13/1998	AQUIFLOW	55843
B4 NNW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2236 NE 6.0 7.6 Not Reported 02/11/1994	AQUIFLOW	52997
B5 NNW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2236 NE Not Reported Not Reported 6.75 06/11/1997	AQUIFLOW	52996
B6 NNW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2236 NE Not Reported Not Reported Not Reported 04/12/1993	AQUIFLOW	52988
C7 SW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2145 E 15.7 16.6 Not Reported 08/21/1995	AQUIFLOW	55987

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
94602	11	0	0.00

Federal EPA Radon Zone for ALAMEDA County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94602

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.000 pCi/L	100%	0%	0%

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C8 SW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2145 E 5.7 6.60 Not Reported 10/01/1995	AQUIFLOW	55986
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9 WSW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0103 E Not Reported Not Reported 20 07/11/1997	AQUIFLOW	63812
-----------------------------------	---	--	----------	-------

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water
Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water
Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

California Drinking Water Quality Database

Source: Department of Health Services
Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon

Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information

Source: USGS
Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX B
SITE SPECIFIC HEALTH AND SAFETY PLAN

**Site-Specific
Health & Safety Plan (HASP) for Baseline Assessment**

**Chevron Station No. 9-3415
4500 Park Boulevard**

Oakland, CA 94583

Prepared for: Chevron Environmental Management Company

Prepared by:



S E C O R

004


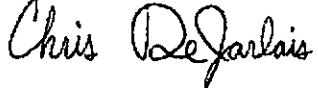
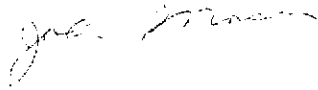


**25864-F Business Center Drive
Redlands, CA 92374**

8/9/2006

Project Name:		Chevron Station No. 9-3415		
Location:		4500 Park Boulevard, Oakland, CA. 94583		
Date:		8/10/2006		
EMC - Project Manager:		Dana Thurman		
Yes	No	N/A		Page
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1 Have Project Mgr, HES Mgr, and Mgr accepted the HASP/modifications?	i
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	2 Is Purpose identified?	2-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	3 Is Policy identified?	2-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	4 Is Site Description identified?	6-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	5 Is Scope of Work identified?	3-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	6 Has Project Team Organization been developed?	9-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	7 Have Project Team Responsibilities been assigned?	9-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	8 Has Site Specific Training been assigned?	9-1,2
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	9 Have Training and Medical Monitoring Requirements been assigned?	9-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	10 Has Site Hazard Analysis been completed?	13-5 - 13-26
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	11 Has Emergency Response Plan been developed and Plans for Drills?	4-1 - 5-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	12 Are Site Specific PPE Requirements identified?	13-5 - 13-26
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	13 Has Required HES Equipment been identified (e.g. communication, monitoring)?	11-4, Att 4b
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	14 Have Frequency and Types of Air Monitoring been established?	11-4, 11-5
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	15 Have Site Control Measures been identified?	13-5 - 13-26
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	16 Have Decontamination Procedures been established?	4-5, 13-5 - 13-26
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	17 Have Site Security Measures been established?	6-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	18 Has a Motor Vehicle Safety Program been referenced?	Att 6
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	19 Have Daily Tailgate Meeting Requirements been identified?	13-3, Att 11
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	20 Is Site History included in HASP?	6-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	21 Have Site Contaminants been identified?	10-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	22 Have Maximum Contaminant Levels been included?	10-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	23 Have Pedestrian and Motor Vehicle Areas been identified?	Att 2
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	24 Have Physical and Biological Hazards been identified?	Att 8
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	25 Are On-Site and Off-Site Emergencies addressed in the HASP?	5-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	26 Have Emergency Decontamination Procedures been identified in the HASP?	4-5
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	27 Are Emergency Medical Treatment and First Aid Procedures included?	4-1, 4-4
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	28 Does the HASP address Site Access?	Att 2 / Att 6c
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	29 Does the HASP identify Required Permits for Site Activity?	Att 7b
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	30 Does the HASP identify Work Zones? (Delineate on-site)	On-site Delineation
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	31 Does the HASP identify Waste Management and Disposal Criteria?	12-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	32 Does the HASP address BBS Requirements?	Att-1
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	33 Does the HASP identify Daily JSA Requirements?	13-3
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	35 Is there a written test?	Att 11b

**SECOR
HEALTH AND SAFETY PLAN
REVIEW AND APPROVAL**

CLIENT: <u>Chevron Environmental Management Company</u> PROJECT NAME: <u>Baseline Assessment</u> START DATE: <u>8/9/2006</u> PLAN REVIEW DATE: <u>7/1/2007 12:00:00 AM</u> (Last day of expected fieldwork or no longer than 6 months).	SITE NAME: <u>Chevron Station No. 9-3415</u> PROJECT NUMBER: <u>04CH.93415.00</u> END DATE: <u>12/31/2006</u>
---	---

<u>Harry Pouncey</u> Project Manager,	Signature: 	Date: 08/10/06 _____
<u>Christina DeJarlais</u> SECOR office Health and Safety Coordinator	Signature: 	Date: 08/10/06 _____
<u>John Mason</u> Site Health and Safety Officer	Signature: 	Date: 08/10/06 _____
<u>Scott Jordan</u> Peer Reviewer	Signature: 	Date: 08/10/06 _____
<u>Jason Adelaars</u> Peer Reviewer	Signature: 	Date: 08/10/06 _____

This Health and Safety Plan has been written for the use of SECOR and its employees. It may also be used as a guidance document by properly trained and experienced SECOR subcontractors and clients.

Our work can be hazardous, and it is imperative that we never forget that! It is the intent of this document to address our risks. The health and safety guidelines in this Plan were prepared specifically for this site, its conditions, purposes, dates and personnel and must be amended if conditions change. This Plan must not be used on any other site without prior research by trained health and safety specialists.

SECOR claims no responsibility for its use by others for purposes unrelated to this project. This Plan will provide useful information to subcontractors and will assist them in developing their own HASP. Subcontractors should sign this plan (See **Attachment 12**) as an

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ATTACHMENTS

ATTACHMENT 1	CLIENT'S SAFETY PROCEDURES
ATTACHMENT 1a	STOP WORK POLICY
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ATTACHMENT 2	SITE PLAN(S)
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ATTACHMENT 11b	HEALTH AND SAFETY QUIZ
ATTACHMENT 11c	DAILY BRIEFING DISCUSSION IDEAS
ATTACHMENT 12	ACKNOWLEDGEMENT & AGREEMENT FORM
ATTACHMENT 13	HASP MODIFICATION LOG

1.0 LOCAL EMERGENCY CONTACT NAMES, PHONE NUMBERS, AND DIRECTIONS TO THE HOSPITAL

The nearest telephone is a: a Cell Phone - Site located at A cell phone in the possession of the SECOR SHSO.
The number of the nearest telephone is (714) 654-4547.

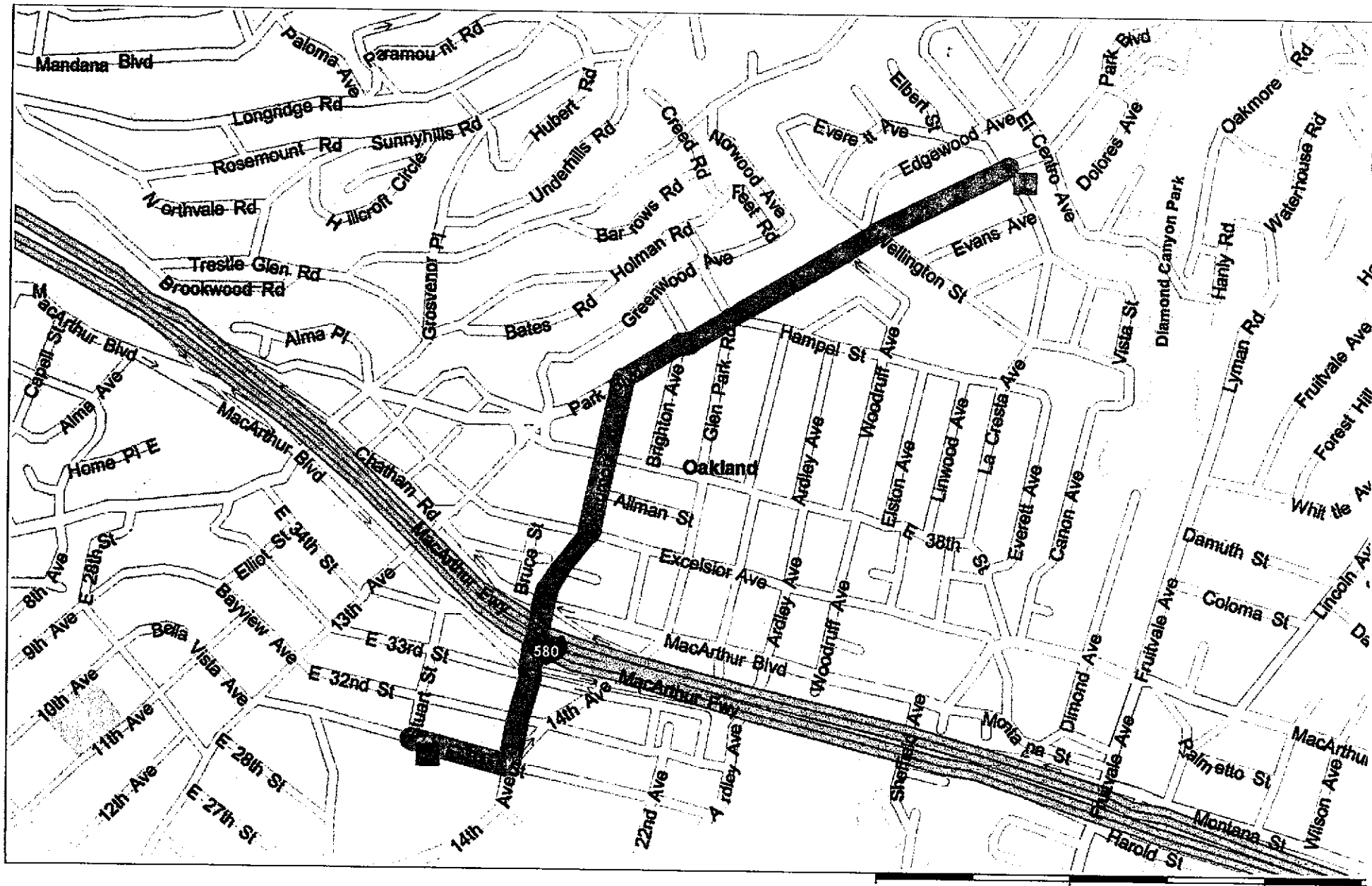
	NAME	TELEPHONE	VERIFIED
Hospital	Highland General Hospital 1411 E 31st St Oakland, CA 94602	(510) 437-4564	08/09/06
Ambulance	Lifeline Transport Incorporated	911 OR, (510) 633-3333	08/09/06
Police	Oakland Police Department	911 OR, (510) 238-2384	08/09/06
Fire Department	Golden Gate Fire Alarm	911 OR, (510) 413-3177	08/09/06

DIRECTIONS AND MAP TO THE HOSPITAL – SEE BELOW

4500 Park Blvd, Oakland, CA 94602 to 1411 E 31st St, Oakland, CA 94602

1.1 miles; 3 minutes

- 0.0 mi Depart 4500 Park Blvd, Oakland, CA 94602 on Park Blvd (West) for 0.5 mi
- 0.5 mi Bear LEFT (South) onto Beaumont Ave for 0.5 mi
- 1.0 mi Turn RIGHT (West) onto E 31st St for 0.1 mi
- 1.1 mi Arrive 1411 E 31st St, Oakland, CA 94602



2.0 OBJECTIVES, GOALS, PURPOSES AND POLICY OF THIS HASP

Let's be clear about our objectives in this HASP. The purpose of this HASP is to:

- ◆ Document a proactive, scientific exposure assessment, which identifies and helps us understand our risks.
- ◆ Document proactive precautions we are going to take to avoid the risks.

Let's be clear about our goal in this HASP. Our policy is to:

- ◆ Complete our work on this site without incidents of all types; no injuries, no illnesses, no impacts to the environment or to property and equipment. In order to achieve this goal, the project team must work together to perform an effective hazard assessment. The team will then establish appropriate precautions and communicate these daily among project staff. Staff will be responsible for communicating changing field conditions to the project management so these conditions and appropriate precautions may be reevaluated as needed. We expect all subcontractors and project personnel to share this goal.

3.0 SCOPE OF WORK

The purpose of this project is to:

- **Complete a Baseline Site Assessment by collecting additional soil data from the site.**

This HASP was prepared for the use of SECOR personnel while performing the following tasks:

1. Mobilize field equipment and personnel to the site
2. Driving to and from the site.
3. Complete the underground utilities locate.
4. Establish traffic control as necessary.
5. Complete advancement of ten borings 7 borings on the property (BA1 - BA6, and BA8) and three borings inside the station building (BA7, BA9 and BA10).
6. Collect soil samples from each boring
7. Demobilize from the site.

The above stated tasks will be conducted in a manner consistent with the methods and assumptions outlined in the Work Plan entitled: Proposal for Baseline Site Assessment Chevron Station 9-3415 dated 8/9/2006. All work plans referenced in this HASP will be available for SECOR personnel onsite.

4.0 EMERGENCY RESPONSE

- ◆ Remember this must be specific to the site and discussed with the client/facility manager.
- ◆ This must be coordinated with other contractors working on the site. This can be done at the initial site meeting, but do not forget to do it.
- ◆ In addition to injuries and illnesses noted here, this section should also address how the client wants us to respond to: the public or the press, fires, bomb threats, etc.
- ◆ You must discuss emergency response at the pre-startup meeting with the contractor to make sure that you can act on the response plan in the event of an emergency.
- ◆ All SECOR staff on site must have completed CPR and First Aid training.
- ◆ In the event of an injury or illness, notification of the family of the individual involved shall be made as promptly as possible following the office's emergency action plan.
- ◆ You must have an eyewash bottle with you on site in case you get something in your eyes.
- ◆ If there is any type of emergency (injury, spill, etc.), work is to be shut down until the situation that caused the emergency is corrected and work can resume without further risk of a similar incident.
- ◆ All incidents regardless of severity and all near misses shall be reported immediately, (after stabilizing the victim(s)/site), to the SECOR Project Manager who will then contact Philip Platcow, Director of IH/H & S, Mary Harris, Human Resources and Michael Philipp, II/NMI Program Manager. The Project Manager together with Philip Platcow (or Michael Philipp if Mr. Platcow is not available) shall then communicate with the client Project Manager in accordance with the client's incident reporting guidelines.
- ◆ Off-site emergencies (such as brush fires, explosions, etc.) shall be handled the same as on-site emergencies until it is determined the situation is under control.

The **Site Health & Safety Officer (SHSO)** must be familiar with the directions to the hospital given in **Section 1**. *(It has become common to take directions off the Internet. In some cases these directions are no longer correct. It is the SHSO's responsibility to ensure that the directions stated in the HASP are absolutely accurate. It may be advisable to ask the client or call a local institution for directions.)*

Injury or Illness

If an injury or illness occurs, take the following action:

- ◆ Determine if emergency response (fire/ambulance) staff are necessary. If so, dial **911** or **(510) 413-3177 (Golden Gate Fire Alarm)** on cell phone or closest available phone. (**at A cell phone in the possession of the SECOR SHSO**) Provide the location of the injured person and other details as requested. If it makes sense to take an individual to the hospital, follow the directions in **Section 1**.
- ◆ Get First Aid for the person immediately. Utilize first aid kit in vehicle. Also utilize the blood-borne pathogens kit. *(Make sure you have both kits, or one combined kit).*

- ◆ Notify the **SHSO** immediately. The **SHSO** is responsible for contacting the SECOR Project Manager immediately after stabilizing the victim(s)/site. The SECOR Project Manager shall then immediately contact Mary Harris in SECOR's Human Resources, Philip Platcow, Director of IH/H&S and Michael Philipp. The SECOR Project Manager along with the SHSO, and the Office Health & Safety Coordinator/Operational Excellence Coordinator (and other witnesses, experts, etc.) are responsible for preparing and submitting the Incident/Near Miss Investigation Report to Mary Harris in SECOR's Human Resources, Philip Platcow and Michael Philipp of the SECOR Health & Safety Department within 72 hours of the incident, as well as notifying the employee's supervisor and the Client Manager in accordance with the client's reporting procedure timeline. Use the Incident Investigation / Near Miss Investigation Report in **Attachment 3**.
- ◆ The **SHSO** will assume responsibility during a medical emergency until more qualified emergency response personnel arrive at the site.

First Aid Procedures for Minor Cuts, Scratches, Bruises, etc.

- ◆ Each occupational illness or injury shall be reported immediately by employees to the **SHSO**. The **SHSO** will complete the Incident Investigation / Near Miss Investigation Report in **Attachment 3** and report the incident to Human Resources.

Medical Cases Not Requiring Ambulance Service

- ◆ Medical cases normally not requiring ambulance services are injuries such as minor lacerations, minor sprains, etc.
- ◆ The **SHSO** will ensure prompt transportation of the injured person to a physician or hospital following the directions in **Section 1**.
- ◆ A representative of SECOR/sub-contractor should always drive the injured employee to the medical facility and remain at the facility until the employee is ready to return.
- ◆ If the driver of the vehicle is not familiar with directions to the hospital, a second person shall accompany the driver and the injured employee to the hospital
- ◆ If it is necessary for the **SHSO** to accompany the injured employee, provisions must be made to have another employee, properly trained and certified in first aid, to act as the temporary **SHSO**.
- ◆ If the injured employee is able to return to the jobsite the same day, he/she should bring with him/her a statement from the doctor containing such information as:
 - Date
 - Employee's name
 - Diagnosis
 - Date he/she is able to return to work, regular or light duty

- Date he/she is to return to doctor for follow-up appointment, if necessary
- Signature and address of doctor

If the injured employee is unable to return to the jobsite the same day, the employee who transported him should bring this information back to the jobsite and report it to Mary Harris in Human Resources at (619) 718-9429 and the Director of Industrial Hygiene and Health & Safety, Philip Platcow at (617) 232-7355.

Emergency Cases Requiring Ambulance Services

- ◆ Medical cases requiring ambulance services would be such cases as severe head injuries, amputations, heart attacks, etc.
- ◆ Should ambulance service be necessary, the following procedures should be taken immediately.
 - Contact necessary ambulance service and company emergency services by dialing **911** or **(510) 633-3333 (Lifeline Transport Incorporated)** and notify the **SHSO** for the site.
 - Administer first aid until ambulance service arrives.
 - While the injured employee is being transported, the **SHSO** should contact the medical facility to be utilized.
 - One designated representative should accompany the injured employee to the medical facility and remain at the facility until final diagnosis and other relevant information is obtained.

Death of an Individual or Hospitalization of Three or More Employees

The procedure as outlined in "First Aid and Medical Cases", above, should be followed. If the injured person dies, then SECOR Human Resources Department, local officials and coroner must be notified **immediately**. SECOR Human Resources will notify the **local OSHA office within 8 hours of the incident or fatality** in the event of fatality or hospitalization of three or more employees.

Response to Spills or Cut Lines

Prevent problems by documenting the location of underground lines (e.g., product, sewer, telephone, fiber optic) before starting site work. If a line or tank is drilled through, or another leak occurs, document the event as soon as possible using the Incident Investigation Report in **Attachment 3. Notification of the event must be made to the SECOR Project Manager by the SHSO immediately after stabilizing the victim(s)/site.** The SECOR Project Manger shall then immediately contact **SECOR Human Resources and the Health & Safety Department.** Include dates, times, actions taken, agreements reached, and names of people involved. Use additional pieces of paper to document the event completely. The **SHSO**, PM and client must be notified immediately. The PM will notify the regulatory authority or utility as necessary.

In the event of a spill/release, follow this plan:

1. Stay upwind of the spill/release.
2. Wear appropriate PPE.
3. Turn off equipment and other sources of ignition.
4. Turn off pumps and shut valves to stop the flow/leak.
5. Plug the leak or collect drippings, when possible.
6. Use sorbent pads to collect product and impede its flow, if possible.
7. Call Fire Department immediately if fire or emergency develops.
8. Inform SECOR Project Manager about the situation.
9. Determine if the client wants SECOR to repair the damage or if the client will use an emergency repair contractor.
10. Based on agreements, contact emergency spill contractor for containment of free product. The contacts for this project will be Chevron Emergency Info Center, Phone:(800) 231-0623or Chevron Emergency Response, Phone: (800) 231-0623.
11. Advise the client of spill discharge notification requirements and determine who will complete and submit forms. *(Do not submit or report to agencies without the client's consent.)* Document each interaction with the client and regulators and note, in writing; name, title, authorizations, refusals, decisions, and commitments to any action.'
12. Do not transport or approve transportation of contaminated soils or product until proper manifests have been completed and approved. Be aware that soils / product may meet criteria for hazardous waste.
13. Do not sign manifests as generator of wastes; contact PM or Waste Compliance Manager to discuss waste transportation.

Notifications – a spill/release requires completion of an Incident Investigation (II) as per SECOR's ALLY program. **The incident shall be reported immediately after stabilizing the victim(s)/site. The PM must involve the client/generator in the Incident Investigation process. The client/generator is under obligation to report to the proper government agencies. If the spill extends into waterways, the Coast Guard and the National Response Center (800) 424-8802 must be notified immediately by the client or by SECOR PM with the client's permission.**

All spills/releases must be reported to Dana Thurman Phone: (925) 842-9559 at Chevron Environmental Management Company within 24 hours.

Emergency Decontamination Procedures

Ensure eyewash bottle, water (unless the chemicals of concern are water reactive), and other decontamination aids are available on-site.

In the event of emergency decontamination:

- Immediately remove any contaminated PPE or clothing (gloves, etc.)
- If possible, wash contaminated area with mild soap and water. Use eyewash station if necessary.
- Observe the contaminated area.
- Repeat washing as necessary.
- Notify SHSO immediately.

Exposure to contaminated individuals should be limited to personnel wearing the proper PPE to avoid unnecessary exposure.

5.0 CONTRACTOR EMERGENCY ACTION PLAN

The **SHSO** will ensure that the Subcontractor/Contractor is capable of efficient evacuation/emergency response in the event of an emergency. Subcontractor/Contractor's employees will be trained by their employer in site-specific evacuation/emergency procedures, including alarm systems and evacuation plans and routes.

The Subcontractor/Contractor shall instruct its employees that in the event of an emergency such as a fire, release, or accident involving injuries, they are required to dial **911, 911** or **(510) 238-2384 (Oakland Police Department)**. The reporting employee is to state the problem clearly and fully and remain on the line until dismissed by the operator.

SECOR staff and Subcontractor/Contractors working in an area where an emergency exists shall evacuate to a safe location, preferably upwind, away from the area and take attendance. **The gathering location will be determined by the SECOR SHSO upon arrival on site. It is the responsibility of the SHSO to annotate the Site Plan with the gathering location position and to disseminate that info to all site personnel during the Daily Production Safety Meeting and any other appropriate time after that.**

(If the emergency causes the route to a gate surrounding the site to be closed, the SECOR staff and Subcontractor/Contractors shall move to an open area upwind of the hazard area, and remain there until instructed by emergency response personnel (i.e., police, fire, ambulance, paramedics, etc.) to do otherwise.)

Subcontractor/Contractor has the responsibility to account for its own employees and to provide such information immediately to emergency response personnel upon request.

SECOR staff and Subcontractor/Contractor may not reenter the emergency site without specific approval from emergency response personnel.

In the event of fire ignition in close proximity to SECOR staff and Subcontractor/Contractor's employees, those persons shall evacuate the area and notify emergency personnel unless the fire is readily extinguished with portable dry chemical equipment on-hand. **When in doubt, emergency response personnel shall be notified. It is Chevron's policy to evacuate the area in the event of a fire or explosion and call fire fighting personnel to extinguish the fire, which also applies to Chevron's contractors. Off-site emergencies (such as brush fires, explosions, etc.) shall be handled the same as on-site emergencies until it is determined the situation is under control.**

6.0 BACKGROUND INFORMATION ON THE PROJECT SITE

The site is a Chevron retail gasoline service station located at 4500 Park Boulevard at the southeast corner of Park Boulevard and Everett Street in Oakland, California. This is an active Chevron station. There are three underground storage tanks (USTs), and three dispenser islands. There are two buildings on the Site; one is a small pay booth (kiosk) at the northeastern dispenser; and a service station building with two hydraulic lifts and a used oil UST documented to be 550 gallon, double wall fiberglass.

Site History: The site appears to have been a gasoline service station since approximately 1933. It appears that two possibly three generations of used oil USTs have existed at the Site. The first generation former station was identified from approximately 1946 (possibly as early as 1933) to 1956 from historical aerial photographs and Sanborn Maps. The second generation was identified from 1956 to present from historical records including site plans and other historical records.

A former used oil UST and sump line was documented on the east side of the station building. The former used oil UST sump line was removed in 1987 and the UST removed later in 1994. Both features were assessed (Blaine Tech Services, Incorporated, 1987, Touchstone, 1994 and GTI, 1995). Therefore, assessment of these former features does not appear warranted.

A possible former used oil UST and sump line was documented as proposed to be located on the south side of the station building (Standard Oil, 1956). There were no other records found. Therefore assessment of the possible former used oil UST and sump appears warranted under the Baseline program. Borings BA-7 and BA-8 are therefore proposed.

The existing used oil UST has been in operation since approximately 1994/1997 to present. This feature was last assessed back in 1995 (GTI) and 2001 (Delta). Therefore assessment of the existing used oil UST in currently in operation is warranted under the Baseline program. Boring BA-6 is therefore proposed.

The existing hydraulic lifts have been in operation since approximately 1956 to present. Therefore assessment of these features is warranted under the Baseline program. Borings BA-9 and BA-10 are therefore proposed. Because the gasoline USTs and dispensers have not been assessed within the last year, an assessment of the current gasoline USTs and dispensers is warranted under the Baseline program. Two borings (BA-1 and BA-2) are proposed adjacent to the existing gasoline USTs and three borings (BA-3 through BA-5) to assess the existing dispensers.

7.0 **CLIENT SAFETY PROCEDURES**

Chevron requires anyone working on their sites to have Loss Prevention System (LPS) training. All SECOR International Inc. personnel and Sub-contractors working under SECOR International Inc., are required to carry on their person at all times, the Safe Performance Self Assessment/Root Cause Analysis Flowchart card given to them at the completion of LPS Training See Attachment #1 (CLIENT SAFETY PROCEDURES) for additional information.

See **Attachment 1**

8.0 GOVERNMENT AND LINE LOCATOR CONTACT NAMES AND PHONE NUMBERS

AGENCY or LINE LOCATOR	NAME	TELEPHONE NO	VERIFIED
National Response Center	(24 Hour Hotline)	(800) 424-8802	08/09/2006
U.S. E.P.A.	(24 Hour Hotline)	(800) 424-9346	08/09/2006
Office of Emergency Services	(24 Hour Hotline)	(800) 852-7550	08/09/2006
U.S. National Poison Control Center	(24 Hour Hotline)	(800) 222-1222	08/09/2006
LINE LOCATOR	Underground Service Alert (Northern CA)	(800) 227-2600	08/09/2006
LINE LOCATOR	Underground Service Alert (Southern CA)	(800) 422-4133	08/09/2006
Cruz Brothers Locators	Private Utility Locator	(831) 461-1467	08/09/2006

9.0 PROJECT PERSONNEL AND RELEVANT INFORMATION

Questions about this project posed by neighbors, the press, or other interested parties should be directed to:

Name: Dana Thurman Company: Chevron Environmental Management Company Phone: (925) 842-9559

The site phone number is a a Cell Phone - Site at A cell phone in the possession of the SECOR SHSO (714) 654-4547

Site personnel shall be trained and certified in hazardous waste operations, and shall have had a physical examination consistent with 29 Code of Federal Regulations (CFR) 1910.120 (and 8 California Code of Regulations (CCR) 5192, if applicable.)

Subcontractors shall review and sign the form in **Attachment 12 ACKNOWLEDGMENT & AGREEMENT FORM**

PROJECT JOB TITLE	NAME	TELEPHONE NO.	GENERAL PROJECT RESPONSIBILITIES	40-Hr HAZWOPER	8-Hr Refresher	CPR/First -Aid	MEDICAL SURVEILLANCE DATE
Site Health and Safety Officer	John Mason	(714) 654-4547	Implementing this HASP. Has authority to stop work. Perform air quality tasks. Take charge of all incidents. Review subcontractor HASP	3/21/2002	2/2/2006	10/7/2004	11/16/2005
Project Manager	Harry Pouncey	(909) 335-6116 Office (951) 544-5888 Cell	Overall financial and logistics. Contact client and subs to understand all hazards. Discuss with SHSO. Follow-up all incidents upon notice.	10/21/1989	5/8/2006	11/1/2005	6/14/2006
SECOR Business Unit Leader	Russell Weigand	(713) 937-7973 Office (713) 540-0131 Cell	Provide immediate support at notice of all incidents	9/17/1989	1/10/2006	1/11/2006	1/23/2003
SECOR Director of Industrial Hygiene	Philip Platcow	(617) 232-7355 Cell (617) 739-1224 Home	Respond with corporate resources to all incidents as appropriate. Assist in HASP review. Assist in incident investigation.	1/13/1995	2/2/2006	1/20/2005	3/7/2006
SECOR Human Resources Director	Marguerite Shuffelton	(619) 718-9430 Cell (760) 749-9603 Home	Assist with incident review, recordkeeping.	N/A	N/A	N/A	N/A
SECOR office Health and Safety Coordinator	Christina DeJarlais	(517) 349-9499 Office (517) 819-0852 Cell	Manage Health and Safety responsibilities for personnel in Office. Assist employees with setting up training and attending/completing necessary courses.	8/6/1998	6/6/2006	6/13/2005	3/15/2006
Project Staff	Katie Wellenmeyer	(517) 349-9499 Office (517) 896-7242 Cell	Complete work in a safe and efficient manner	5/11/2006	N/A	6/14/2006	11/2005
Project Staff	Jason Adelaars	(909)528-2233	Complete work in a safe and efficient manner	11/5/2005	5/08/2006	10/2005	10/2005

- Other training may be required such as LPS, Passport, Fall Protection, Lock Out ,Tag Out, Hot Work, Confined Space, etc. according to the clients training requirements and hazards specific to the job being performed. Enter into the table below.

NAME	LPS Training	SHSO Training	Other
Katie Wellenmeyer	12/15/05	6/01/06	
Jason Adelaars	12/13/2005		
John Mason	3/11/2005		

10.0 CONSTITUENTS OF POTENTIAL CONCERN AND MAXIMUM CONCENTRATIONS IDENTIFIED ONSITE

Listed below are the maximum concentrations of contaminants in the soil and/or groundwater that have been encountered at the site to date.

Substance	Date of Sample	Media	Sample Concentration
TPHo	1/1/1987	Soil	30mg/kg
TPHg	1/1/1994	Soil	8200mg/kg
TPHd	1/1/1994	Soil	1500mg/kg
Benzene-1910.1028	1/1/1994	Soil	0.58mg/kg
Toluene	5/3/1995	Soil	0mg/kg
Ethylbenzene	5/3/1995	Soil	0mg/kg
Xylenes	5/3/1995	Soil	0mg/kg
Methyl Tertiary Butyl Ether (MTBE)	1/1/2000	Soil	0mg/kg

11.0 POTENTIAL AIRBORNE CONCERNS

POTENTIAL AIRBORNE CHEMICALS ONSITE IN THIS PROJECT REVIEW THIS TABLE AND CONTACT SHSO WITH QUESTIONS						
CHEMICAL (OR CLASS)	OSHA PEL ACGIH TLV	OTHER PERTINENT LIMITS	WARNING PROPERTIES	ROUTES OF EXPOSURE OR IRRITATION	ACUTE HEALTH EFFECTS	CHRONIC HEALTH EFFECTS/ TARGET ORGANS
Benzene-1910.1028	PEL 10 ppm TLV 050 ppm	STEL 50 ppm REL 01 ppm	Characteristic benzene odor	Inhalation, Dermal, ingestion, eyes	Skin (dermatitis), eye, respiratory tract irritant, headache, dizziness, nausea.	Carcinogen, CNS, eye damage, bone marrow, blood, skin, leukemia.
Ethylbenzene	PEL 100 ppm TLV 100 ppm PEL 125 ppm	STEL 125 ppm REL 100 ppm REL 125 ppm STEL 125 ppm	Pungent aromatic odor	Inhalation, dermal, ingestion, eyes	Skin/eye/mucous membrane irritant, headache, dizziness, drowsiness	Eyes, respiratory tract, skin, CNS, blood, kidneys, liver.
Methyl Tertiary Butyl Ether (MTBE)	PEL 40 ppm FedOSHA PEL None Established TLV 40 ppm	WEEL 100 ppm	Flammable liquid with a distinctive, disagreeable odor	Inhalation, dermal, ingestion	Irritated nose, throat, headache, dizziness, nausea, sleepiness	CNS, liver, kidney, gastrointestinal damage, potential carcinogen
Toluene	PEL 50 ppm PEL 200 ppm TLV 50 ppm	REL 100 ppm STEL 50500 ppm STEL 150 ppm	Sweet, pungent, benzene-like odor	Inhalation, dermal, ingestion, eyes	Skin (dermatitis) eye, respiratory tract irritant, headache, dizziness, weakness, and fatigue.	CNS, liver, kidneys, skin.
TPHd	PEL 400 ppm	REL 350 ppm	Yellowish to light brown liquid	Inhalation, skin absorption, ingestion, skin and/or eye contact.	Nausea, eye irritation, increased blood pressure, headache, light-headedness, loss of appetite, poor coordination, and difficulty concentrating. [Potential occupational carcinogen	Kidneys, circulatory system

TPHg	PEL 300 ppm FedOSHA PEL None Established TLV 300 ppm	REL None Established STEL 500 ppm	Clear liquid with a characteristic odor	Inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; dermatitis; headache, fatigue, blurred vision, dizziness, slurred speech, confusion, convulsions; chemical pneumonia (aspiration liquid); possible liver, kidney damage; [Potential occupational carcinogen]	Eyes, skin, respiratory system, central nervous system, liver, kidneys
TPHo	FedOSHA PEL 53 TLV 53		Brown-to-black, oily liquid (used) Amber colored liquid with petroleum odor (new)	Inhalation, ingestion, skin and/or eye contact.	Slightly irritated noses, throats, and eyes, diarrhea, anemia and tremors, nausea. Irritated skin.	Respiratory system, epidermis.
Xylenes	PEL 100 ppm TLV 100 ppm	STEL 500 ppm REL 100 ppm REL 100 ppm STEL 150 ppm	Aromatic odor	Inhalation, dermal, ingestion, eyes	Throat and skin irritant(dermatitis), headache, nausea, drowsiness, fatigue	CNS, liver, kidneys, skin,gastrointestinal damage, eye damage

Explanation of Abbreviations

Abbreviation	Explanation
PEL	Permissible Exposure Limit
REL	Recommended exposure limit set by NIOSH
C	Ceiling limit
STEL	Short Term Exposure Limit
IDLH	Immediately Dangerous to Life or Health
TLV	Threshold Limit Value set by the ACGIH (American Conference of Governmental Industrial Hygienists)
AIHA WEEL	Workplace Environmental Exposure Limits set by the AIHA (American Industrial Hygiene Association)
SKIN	Skin absorption
NIOSH	National Institute for Occupation Safety and Health
CNS	Central Nervous System
CVS	cardiovascular system

Action Level Table for Air Quality Monitoring

- The level for respirator use indicated below is that concentration at which a respirator must be put on. It does not require the job to stop. The respirator is a tool to be used while determining why the exposure has reached that concentration. Take action to reduce the concentration by engineering controls such as water mist, spray foam, plastic cover, etc.
- The level for work stoppage indicated below is that concentration at which work on the job must stop. Determine why exposures have reached that concentration and how they can be reduced. Site evacuation is not necessary at this level. It does not mean that stopping operations should reduce the likelihood that the concentration will continue to rise. Implement engineering controls to reduce the concentration, and then resume work.
- **PIDs – Photoionization Detectors** are used for general hydrocarbon monitoring; an example would be benzene, toluene, ethyl benzene and xylene, common on gasoline station sites. The PID typically uses either a 10.6 eV lamp (responds to pentane and higher hydrocarbons), or 11.7 eV lamp (responds to ethane (weakly), propane and higher hydrocarbons) to ionize and detect the gas. The PID will measure hydrocarbons that are ionized, and therefore is a screening device, not a chemical-specific measurement instrument.
- **FIDs – Flame Ionization Detectors** – Uses a hydrogen flame to ionize the gas and detect its concentration. Typically used to measure concentrations of natural gas or gases that can not be ionized by the PID. Use of an FID may not be intrinsically safe for use on high hazard sites where there is a danger of reaching the lower explosive limit of the gas being measured. FID's are typically calibrated using methane. **Always follow the manufacturer's instructions for calibrating the FID and for calculating response and correction factors.**
- **Combustible Gas Meters – Measure 10% of the LEL** or Lower Explosive Limit for the particular gas of concern – check the MSDS for the LEL. Combustible gas meters are usually equipped with an oxygen monitor measuring in % Oxygen. These meters are used in potentially explosive environments or where the PID measurement is at or above 100ppm. Example: Gasoline has an LEL of 1.7%. 1% = 10,000 PPM. LEL of 1.7% = 17,000 PPM and 10% of that is 1700 PPM.
- **Draeger Tubes** – colorimetric tubes where air sample is pulled through the tube using a pump. The results are read from the color change on the tube. Follow the manufacturer's directions.
- Use of PDA's, cell phones, pagers or other electrical devices (with the exception of intrinsically safe monitoring instruments) are prohibited in the exclusion zone until the atmosphere is considered safe through the use of a CGI.
- The "levels for work stoppage" listed in the table below are based on measurements taken using PIDs calibrated with isobutylene; PIDs calibrated with gases other than isobutylene may have a different response factor. When calibrating with a calibration gas other than isobutylene, contact Phil Platcow, Director of IH/H & S, at (617) 232-7355 office/(617)899-5403 cell or Pat Wilson, CIH, at (817) 640-9621X34 office/(817) 296-3165 cell, for guidance on the air monitoring requirements
- **These values can be modified with particular knowledge of contaminants and site conditions. Contact Director of Industrial Hygiene & Health and Safety, Philip Platcow to discuss (617) 232-7355.**
- **On Sites impacted with chemicals other Petroleum products, contact Phil Platcow, Director of IH/H & S, at (617) 232-7355 office/(617)899-5403 cell or Pat Wilson, CIH, at (817) 640-9621X34 office/(817) 296-3165 cell, for guidance on the air monitoring requirements**

CHEMICAL (OR CLASS)	MONITORING EQUIPMENT	TASK	MONITORING FREQUENCY/ LOCATION	LEVEL FOR RESPIRATOR USE	LEVEL FOR WORK STOPPAGE
Volatile Organic Vapors	<p>FID/PID as appropriate for chemicals of concern. Read manual to determine.</p> <p>Draeger Tube for benzene (model 0.5/a).</p>	From start of mobilization to completion and demobilization	<p>Sampling should be continuous during the project while disturbing potentially contaminated soil or uncovering/removing tanks and piping, or during drilling. At least every 15 minutes in the breathing zone.</p> <p>Sample at the exclusion zone boundaries every 30 minutes.</p> <p>Continuously sample during each soil and groundwater sampling interval. If 5 ppm in breathing zone, collect a Draeger tube for benzene and/or vinyl chloride (depending upon contaminants of concern).</p>	<p>Respirator to be used will be full-face piece respirator with organic vapor/P 100 combination cartridges.</p> <p>20 ppm sustained in breathing zone for 2 minutes, and no benzene and/or vinyl chloride tube discoloration. If a color change appears on tube for benzene or vinyl chloride at < 20ppm on PID/FID, don respirator.</p> <p>If no Draeger Tubes are available, the level for respirator use will be 5ppm on the PID/FID.</p> <p>At donning respirator level, determine cause of exposure and implement engineering controls to reduce concentrations.</p>	<p>50 ppm in breathing zone and no vinyl chloride or benzene tube discoloration. Stop work if tube indicates > 1ppm for benzene or vinyl chloride.</p> <p>If no Draeger Tube available, stop work at 25 ppm on the PID/FID.</p> <p>Continuously attempt to determine cause of exposure and usage of engineering controls to attempt to never reach the stop work level.</p>

<p>VOCs</p>	<p>FID/PID as appropriate for chemicals of concern. Read manual to determine.Manuf: Model: Serial Draeger Tube for vinyl chloride (model 1/a part number 67 28031). Draeger Tube for benzene (model 0.5/a).</p>	<p>From start of mobilization to completion and demobilization</p>	<p>Sampling should be continuous during the project while disturbing potentially contaminated soil or uncovering/removing tanks and piping, or during drilling. At least every 15 minutes in the breathing zone. Sample at the exclusion zone boundaries every 30 minutes. Continuously sample during each soil and groundwater sampling interval. If 5 ppm in breathing zone, collect a Draeger tube for benzene and/or vinyl chloride (depending upon contaminants of concern).</p>	<p>Respirator to be used will be full-face piece respirator with organic vapor/P 100 combination cartridges.20 ppm sustained in breathing zone for 2 minutes, and no benzene and/or vinyl chloride tube discoloration. If a color change appears on tube for benzene or vinyl chloride at < 20ppm on PID/FID, don respirator.If no Draeger Tubes are available, the level for respirator use will be 5ppm on the PID/FID. At donning respirator level, determine cause of exposure and implement engineering controls to reduce concentrations.</p>	<p>50 ppm in breathing zone for 2 minutes and no vinyl chloride or benzene tube discoloration. Stop work if tube indicates > 1ppm for benzene or vinyl chloride.If no Draeger Tube available, stop work at 25 ppm on the PID/FID.Continuously attempt to determine cause of exposure and usage of engineering controls to attempt to never reach the stop work level</p>
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12.0 **WASTE CHARACTERISTICS**

A. **Waste Generation** (Type(s)/Quantities Expected):

Anticipated (YES/NO): YES

Types: Liquid Solid Sludge Other (describe) _____

Quantity (Expected Volume): 26 Drums

B. **Characteristics** (Expected):

Corrosive Flammable/Ignitable Radioactive Toxic

Reactive Unknown

Other (specify) _____

C. **Packaging requirements for waste material** (Expected):

- DOT-approved drums
- Baker tanks—water (possibly tankers if trucked off site) _____
- Lined waste bins _____
- 5 gallon buckets _____
- _____

D. **Disposal and/or Treatment Methods Proposed:**

All wastes will be sampled and analyzed. Results of analysis will determine how and where impacted materials may be disposed of. (Integrated Waste Management) will be responsible for the categorization and transportation of all waste generated on this site. All materials will be disposed of or treated in accordance with federal, state and local regulations as selected and arranged by SECOR/Chevron Environmental Management Company The client Chevron Environmental Management Company will be responsible for signing the manifest.

13.0 DETAILED PROJECT STEPS WITH HAZARD ASSESSMENTS, PRECAUTIONS AND JSAs

1. Mobilize field equipment and personnel to the site
2. Driving to and from the site.
3. Complete the underground utilities locate.
4. Establish traffic control as necessary.
5. Complete advancement of ten borings 7 borings on the property (BA1 - BA6, and BA8) and three borings inside the station building (BA7, BA9 and BA10).
6. Collect soil samples from each boring
7. Demobilize from the site.

Traffic Guidance and Control Plan (See Attachment 2 for Traffic Control Plan Maps):

Incidents on sites have shown the need for a well-thought out traffic guidance and control plan. This plan must consider:

- ◆ *Level of traffic activity on a site and provide for the safety of all workers on the site. E.g., a gasoline site that is open to the public should require sawhorse barricades to protect workers.*
- ◆ *Using rotating amber lights on vehicles.*
- ◆ *Using flagger's in high hazard areas.*
- ◆ *Stepping back and evaluating (PPE/SPSA) the Traffic Guidance and Control setup to see if it will really protect you.*
- ◆ *Stop Work Authority if after performing a PPE/SPSA and the set up isn't protecting you as planned.*
- ◆ *Cones and caution tape have proven ineffective in a number of situations. Other traffic guidance and control precautions include, delineators, placing vehicles between staff and the public, construction fence, etc.*
- ◆ *We must cordon off as much space as is necessary to ensure our safety. This must be discussed with clients as it may mean closing down additional gasoline pumps or entrances to a factory, etc.*
- ◆ *Personal vehicles should be parked as far away from potential traffic as possible.*
- ◆ *How contractor heavy equipment, e.g., vacuum trucks, drill rigs, cranes, loader/diggers, etc will be parked and maneuvered around the site. All heavy equipment movements must be coordinated in advance to avoid incidents.*
- ◆ *Review local regulations for: formally developed traffic guidance and control plans signed by licensed individuals, police details, flagmen, hours of activity, closure of streets to move equipment, etc.*
- ◆ *Review the SECOR Safe Driving Procedures located in **Attachment 6**.*
- ◆ *Utilize the Journey Hazard Assessment Card to identify potential driving/journey/traffic hazards before each trip. Copies of the Journey Hazard Assessment Card are located in **Attachment 6a**.*
- ◆ *Utilize the Daily Vehicle Checklist at least once a day for each vehicle driven for SECOR business to identify potential vehicle issues/hazards. Copies of the Daily Vehicle Inspection Checklist are located in **Attachment 6b**.*
- ◆ *Have each team member who will travel to/from the site complete a Journey Management Plan (JPM) before traveling to identify routes of travel and potential driving/journey/traffic hazards. JMP(s) should be kept with each traveling employee throughout the entire course of travel. A blank JMP is included in **Attachment 6c**.*
- ◆ *A SECOR Vehicle Collision Kit should be kept in every vehicle used for SECOR project work. A copy of the SECOR Vehicle Collision Kit is located in **Attachment 6d**.*
- ◆ **It is the responsibility of the SHSO to annotate the Site Plan with the Traffic Guidance and Control configuration if a "formally developed" Traffic Guidance and Control Plan is not available. It is also the responsibility of the SHSO to disseminate the Traffic Guidance and Control information to all site personnel during the Daily Production Safety Meeting and any other time as necessary.**

Work on this project will be conducted during the hours: Start: 8:00 PM End:5:00 PM Monday -- Friday

Daily Production Safety Meeting

A safety meeting will be conducted in the morning on each working day and at noon on the site to discuss the health and safety issues for the activities to be conducted that day. The topics of the meeting will include, at a minimum, general health and safety procedures, reviewing health and safety policies and reviewing the job hazard analyses for the tasks to be conducted. Additional safety meetings may be conducted if the scope of work changes during the day, or if other health and safety issues are identified. Suggested meeting topics and daily meeting log sheets are included in **Attachment 11**.

Hazard Communication

All employees at the Site must review this site wide HASP prior to field activities. The information in the JSAs and the attached data sheets is made available to all employees who could be affected by it prior to the time they begin their work activities. Modifications to JSAs and the accompanying data sheets are communicated during routine briefings. Consistent with OSHA regulations, SECOR must also inform other contractors and subcontractors about the nature and level of hazardous substances at this site, and the likely degree of exposure to workers who participate in site operations.

Evacuation Information

Randomly scheduled evacuation drills may be conducted at any time during field activities. Employees should follow emergency procedures outlined in **Section 4** of this HASP and discussed during the day's daily production safety meeting.

Shutoff valves/switches for utilities and products: **It is the responsibility of the SHSO to annotate the Site Plan with the location of all shutoff valves and switches and to disseminate that information to all site personnel during the Daily Production Safety Meeting and any other time as necessary.**

Personal Protective Equipment

The site-specific Personal Protective Equipment (PPE) ensembles and materials are identified in the Job Safety Analysis (JSA) sheets located later in this section. The PPE ensembles listed in each JSA has been identified as appropriate to protect the worker for the task addressed. The PPE ensembles are consistent with Appendix B of 29 CFR 1910.120. PPE is to be used in accordance with manufacturers' recommendations.

Personal Safety Concerns and Precautions: **"There are no other safety concerns associated with this site other than those normally encountered on a hazardous waste site."**

Jewelry safety: **Jewelry can be dangerous. Large ear rings, long necklaces, loose-fitting bracelets, rings, watches, etc. can become entangled in machinery and cause removal of limbs, as well as be conductive of electricity. Use caution and avoid unnecessary hazards!**

Personal Hygiene

No eating, drinking or tobacco use within the exclusion zone. Wash your hands, face, arms, and neck (i.e. any exposed skin) before leaving the site.

Permits

This HASP will serve as the general permit to work for this project however additional permits such as Authorization to work, confined space entry, and other required "work" permits are to be kept in **Attachment 7**.

Additional Physical and Biological Concerns

Any additional health and safety issues such as **physical concerns** (including but not limited to uneven terrain, electrical fencing, buried spikes, tsunamis, holes, extreme heat/cold etc) or **biological concerns** (including but not limited to poisonous spiders, bees/wasps/other flying/stinging insects, gophers (holes), wild dogs, poisonous/allergenic plants, etc) should be identified prior to work with precautionary measures listed in **Attachment 8**.

Material Safety Data Sheets

Material Safety Data Sheets (MSDSs) for all compounds used and/or found on site should be obtained prior to work on site. Current copies of MSDSs are to be maintained on site in this HASP in **Attachment 9**.

Task 1. Mobilize field equipment and personnel to the site

POC	Development Team	Position/Title	Date	Reviewed By	Position/Title
X	Michael Philipp	West Region Health and Safety Manager	12/3/2003		
			12/3/2003	Michael Philipp	West Region Health and Safety Manager
Site specific edits to this JSA were made by					
If most recent review date is more than six months old, then this JSA must be updated and reviewed again to remain current					
POC is the JSA development 'Point Of Contact'					


Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
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Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Evaluate staff and contractor requirements.	Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs, and leather gloves for the non-chemical aspects of work as necessary; Wear an appropriate air purifying respirator with combination organic vapor/P-100 cartridges, and other PPE as needed. (Use a North 7600 series full face respirator or its equivalent. Best brand nitrile gloves or their equivalent. Howard Leight Max foam earplugs with an NRR of 33 or their equivalent. Tyvek, poly coated chemical resistant suit or its equivalent).	Improper or inadequate work performance due to staff and contractors that are not capable of performing tasks successfully and correctly. Trespassers. Vehicle accident. Lifting hazards. Delay or improper performance of work due to improper equipment onsite.	<ul style="list-style-type: none"> ● Thoroughly check all staff and contractor skills and abilities. - SECOR ● Provide staff and subcontractors with scope of work and HASP so it is in their possession at least 4 days before the job starts. - SECOR ● Use of buddy system is required. - SECOR ● No one will be on-site alone, or after-dark work. - SECOR ● Follow safe driving procedures. - SECOR ● Employ safe lifting procedures. - SECOR
Review Scope of Work.		Improper or inadequate work performance due to staff that are not thoroughly informed of tasks to be completed and potential risks. Paper cuts	<ul style="list-style-type: none"> ● Scope of work must be reviewed so that all staff are informed of tasks to be completed and are aware of all potential risks and hazards associated with the site. - SECOR
Complete access and agency notification		Unauthorized staff on-site. Notice of Violation	<ul style="list-style-type: none"> ● Verify that personnel are signed in with Rudy. Call Agency contact and on site client representative with timeframes and number of crews to be working. - SECOR
Evaluate equipment needs.		Possible delay or improper performance of work due to improper equipment onsite, or unprepared contractors.	<ul style="list-style-type: none"> ● Thoroughly review all tasks that are to be completed, and compile a list of equipment that will be needed. - SECOR

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Order equipment and schedule staff.		Possible delay or improper performance of work due to improper equipment and staff onsite.	<ul style="list-style-type: none"> ● Evaluate the equipment and staff requirements for the site, and make arrangements to fill the needs. - SECOR
Travel arrangements.		Insufficient staff on site, delays in work.	<ul style="list-style-type: none"> ● Make all travel arrangements well ahead of time when possible. - SECOR
Accessing Job Trailer.		Because of reduced security and increased potential for break-ins and trespassers, additional security measures have been taken.	<ul style="list-style-type: none"> ● Be sure to let your PM know your ETA. - SECOR ● Sign out the keys to the trailer and equipment cabinet from the equipment coordinator. - SECOR ● Doors to job trailer will be locked when no one is in the trailers. - SECOR ● Be sure to lock vehicle doors when they are unoccupied in parking lot. - SECOR ● Be sure to keep track of the key ring with the keys to the trailer and equipment cabinet. - SECOR
Kickoff meeting.	<p>Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs, and leather gloves for the non-chemical aspects of work as necessary; Wear an appropriate air purifying respirator with combination organic vapor/P-100 cartridges, and other PPE as needed. (Use a North 7600 series full face respirator or its equivalent. Best brand nitrile gloves or their equivalent. Howard Leight Max foam earplugs with an NRR of 33 or their equivalent. Tyvek, poly coated chemical resistant suit or its equivalent).</p>	Staff who are not prepared to work properly. Tasks that are not completed or are delayed.	<ul style="list-style-type: none"> ● Prepare a kick off meeting to inform the staff and contractors of all tasks and potential hazards. – SECOR <div style="text-align: center;">  <p>Kick-off Meeting Template</p> </div>

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
<p>A Daily Production Safety meeting shall be held each day, even if there is only one person working on the project on any given day.</p>	<p>Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs, and leather gloves for the non-chemical aspects of work as necessary; Wear an appropriate air purifying respirator with combination organic vapor/P-100 cartridges, and other PPE as needed. (Use a North 7600 series full face respirator or its equivalent. Best brand nitrile gloves or their equivalent. Howard Leight Max foam earplugs with an NRR of 33 or their equivalent. Tyvek, poly coated chemical resistant suit or its equivalent).</p>	<p>Weather related accidents, slip, trips, falls. Struck by vehicle. Chemical exposure. Heat/cold stress conditions.</p>	<ul style="list-style-type: none"> ● Topics will always include the work scheduled for the day and restatement of the hazards and means to avoid them. Other topics may extricate from the list included in the HASP. - SECOR ● Check Contractors for their HASP, equipment maintenance records, MSDSs and certifications. - SECOR

Task 2. Driving to and from the site.

POC	Development Team	Position/Title	Date	Reviewed By	Position/Title
			11/21/2005	Philip, Platcow	1
			3/7/2006	Eric Miller	RE Support #3 Purity and BeeJay Scales
			2/2/2006	Michael Philipp	West Region Health and Safety Manager
			4/7/2006	Christina DeJarlais	OE Coordinator
X	Michael Philipp	West Region Health and Safety Manager	11/21/2005		
Site specific edits to this JSA were made by					
If most recent review date is more than six months old, then this JSA must be updated and reviewed again to remain current					
POC is the JSA development 'Point Of Contact'					

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
PRE-TRIP - Review PPE/SPSA Card.	Window scraper	Consider worst case outcome of vehicle operation (blowout, breakdown, collision, slippery surfaces, injury or death).	<ul style="list-style-type: none"> Assess the potential hazards. Analyze how to reduce the risk. Act to ensure safe operation of the vehicle SECOR/Contractor.
Verify Journey Management Plan is complete and current		Unexpected traffic detours	<ul style="list-style-type: none"> Assure directions are available and understood prior to commencing travel SECOR/Contractor. Pull the vehicle into a safe location if additional directions must be confirmed SECOR/Contractor. Increase following distance to allow extra time to stop if you are in unfamiliar territory SECOR/Contractor.

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Verify a Vehicle Collision Kit, a 3-lb type ABC fire extinguisher and other as needed emergency equipment is in the vehicle	Fire Extinguisher	Fire in vehicle, vehicle incident	<ul style="list-style-type: none"> • Verify prepared field kit is in the vehicle. Inventory of the kit should include first aid kit, blood borne pathogen kit, fire extinguisher, collision kit, flashlight, sampling tools, etc. SECOR/Contractor. • For cold weather areas the inventory should also include a bag of sand, a bag of salt, gloves, wool socks, wool caps, wool blankets, tire chains, small shovel and matches.
Perform perimeter walk around of vehicle for damage or unusual conditions.	Window scraper	Flat tire, blowout, impaired vision, collision, slippery surfaces, injury or death.	<ul style="list-style-type: none"> • Use SECOR Vehicle Daily Inspection Report SECOR/Contractor. • Assure tires are properly inflated and there is sufficient tread SECOR/Contractor. • Assure there are no cuts or bulges in the sidewalls SECOR/Contractor. • Assure windshield and window glass is clean SECOR/Contractor. • Lift wiper arms and check wiper blades for damage or deterioration SECOR/Contractor. • Check behind vehicle for obstructions SECOR/Contractor. • Check under vehicle engine for evidence of fluid leaks SECOR/Contractor. • Do not touch metal with moist or wet skin SECOR/Contractor. • Scrape windows, front and rear windshields SECOR/Contractor.
Check and adjust seat, mirrors, headlamps, turn signals, washer/wipers.	Window scraper	Back or body strain. Blind spots. Inability to signal intentions. Streaking windshield, impaired vision.	<ul style="list-style-type: none"> • Adjust seat so back is fully supported, upper arms close to body, pedals within easy reach SECOR/Contractor. • Lower steering wheel so hands are below shoulders and shoulders are relaxed SECOR/Contractor. • Check mirror adjustments each time vehicle is re-started SECOR/Contractor. • Test operations of front and rear turn signals SECOR/Contractor SECOR/Contractor. • Locate and test operation of headlamps, wiper and washer switches SECOR/Contractor. • Verify heater and windshield defroster fan operates properly SECOR/Contractor.
Check and verify emergency equipment		Unexpected situations.	<ul style="list-style-type: none"> • Have within the vehicle, and maintain the integrity of, a first aid and blood borne pathogen kit and an eye wash bottle SECOR/Contractor. • Fire extinguisher SECOR/Contractor.

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Site specific emergency equipment		Unexpected situations.	<ul style="list-style-type: none"> ● When applicable, each vehicle is to be outfitted with site specific emergency equipment in the vehicle (i.e. snake bit kit, hypothermia kit) SECOR/Contractor.
Fasten seat belts.		Increased risk of more serious injury or death in collision.	<ul style="list-style-type: none"> ● Assure seat belt is in good condition and fastened SECOR/Contractor ● Assure all passenger seat belts are in good condition and fastened SECOR/Contractor.
Lock doors.		Ejection from vehicle in collision. Unwanted intrusion.	<ul style="list-style-type: none"> ● Lock all doors to vehicle SECOR/Contractor.
Cellular Phone Usage		Driver distractions and static electric discharge that could lead to preventable incidents	<ul style="list-style-type: none"> ● Always turn cellular phones to the off position before starting the engine SECOR/Contractor. ● Do not use cellular phones when refueling SECOR/Contractor.
Start engine and let vehicle warm up.		Unexpected movement.	<ul style="list-style-type: none"> ● Refer to Manufacturers vehicle manual for warm up times SECOR/Contractor. ● Assure that transmission is in 'Park' or neutral if a standard transmission and that parking brake is set SECOR/Contractor.
Check heater, defroster, gauges and warning lights.		Overheated engine or break-down due to lack of critical fluids. Brake failure. Stranding.	<ul style="list-style-type: none"> ● Assure there is sufficient gas, oil and other critical fluids SECOR/Contractor.
Pull out of parking space.		Collision with other vehicles, pedestrians, or stationary objects.	<ul style="list-style-type: none"> ● Check mirrors and over shoulder in all directions prior to pulling out of parking space SECOR/Contractor. ● Signal if parallel parked along a street SECOR/Contractor. ● If reversing with 2 or more personnel in the vehicle, then at least 1 person must exit the vehicle and act as a spotter. If alone before getting in the car, assess the area looking for approaching pedestrians/vehicles. When clear get in vehicle, do a 360 scan then put in gear. While looking over your shoulder, slowly back out of the parking space being prepared to apply the brakes if needed SECOR/Contractor.

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
DURING TRIP Scan Move your eyes.		Collision, injury or death to occupants or other parties.	<ul style="list-style-type: none"> ● Move eyes at least every 2 seconds SECOR/Contractor. ● Scan major and minor intersections before entry (left-right-left) SECOR/Contractor. ● Check mirrors when slowing or stopping vehicle SECOR/Contractor. ● Scan mirrors frequently, at least one mirror every 5-8 seconds SECOR/Contractor. ● Avoid staring while evaluating road conditions SECOR/Contractor. ● Maintain adequate spacing between your vehicle and the vehicle in front of you. (Rule of thumb one second for every 10 miles per hour, minimum of 3 seconds), double the distance during poor road conditions) SECOR/Contractor. ● Watch for ice on road, slow down before hitting the ice, keep your foot off the brake SECOR/Contractor.
Elevate elevate your line sight		Collision, injury or death to occupants or other parties.	<ul style="list-style-type: none"> ● Maintain 12 second eye lead time (1 1/2 blocks in city traffic, 1/4 mile in highway traffic). Assess condition of traffic lights (fresh vs. stale) SECOR/Contractor. ● Assess information from distant objects SECOR/Contractor. ● Adjust eye lead distance to speed SECOR/Contractor. ● Watch for ice on road, slow down before hitting the ice, keep your foot off the brake SECOR/Contractor.
Count keep your distance		Collision, injury or death to occupants or other parties.	<ul style="list-style-type: none"> ● Maintain safety cushion around vehicle (front, sides, rear) SECOR/Contractor. ● Adjust vehicle space and speed to avoid unsafe intrusion by other drivers SECOR/Contractor. ● At signal controlled intersections, stop 10 feet behind crosswalks or behind other vehicles SECOR/Contractor. ● When stopped, allow vehicle in front to move for 3 seconds before accelerating SECOR/Contractor. ● Observe approaching merge areas and choose lane of least resistance SECOR/Contractor. ● Cede right of way and allow for other vehicles to merge, change lanes, make turns, etc SECOR/Contractor. ● Watch for ice on road, slow down before hitting the ice, keep your foot off the brake SECOR/Contractor.

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Out have a way out		Collision, injury or death to occupants or other parties.	<ul style="list-style-type: none"> ● Avoid being unnecessarily boxed in SECOR/Contractor. ● Avoid sudden acceleration and deceleration SECOR/Contractor. ● Maintain 1 second for every 10 mph (with 3 second minimum) following distance, adjust speed to traffic conditions, scan immediate and adjacent lanes before merging SECOR/Contractor.
Recognize - make sure others see you.		Collision, injury or death to occupants or other parties.	<ul style="list-style-type: none"> ● Seek eye contact with other drivers SECOR/Contractor. ● Cover or use horn when conditions warrant SECOR/Contractor. ● Before changing lanes, signal well in advance, check mirrors and over shoulder, and allow adequate space before changing lanes SECOR/Contractor. ● Break early to activate brake lights SECOR/Contractor. ● Stay out of blind spots. Gently sound horn or flash lights if unsure other driver sees you SECOR/Contractor. ● Turn on headlamps in high traffic areas, at dusk, and in inclement weather. Do not over drive your headlights SECOR/Contractor. ● Increase the distance between your vehicle and the vehicle in front of you at night SECOR/Contractor.
Backing up.		Collision, injury or death to occupants or other parties.	<ul style="list-style-type: none"> ● Make all backing maneuvers slowly and cautiously SECOR/Contractor. ● Check mirrors and over shoulders. When parking, look for pull-through parking to avoid backing SECOR/Contractor. ● If reversing with 2 or more personnel in the vehicle, then at least 1 person must exit the vehicle and act as a spotter. If alone before getting in the car, assess the area looking for approaching pedestrians/vehicles. When clear get in vehicle, do a 360 scan then put in gear. Give 2 short honks of the horn, while looking over your shoulder, slowly back out of the parking space being prepared to apply the brakes if needed SECOR/Contractor.
Pay attention to driving at all times		Collision, injury or death to occupants or other parties.	<ul style="list-style-type: none"> ● Always focus on driving. Stop driving if you become distracted SECOR/Contractor. ● Refrain from conducting involved or emotional discussions while driving - end the conversation or pull over to the side of the road if it becomes difficult to concentrate on driving while conversing with your passengers SECOR/Contractor.

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Parking.		Collision, injury or death to occupants or other parties.	<ul style="list-style-type: none"> ● Park away from other cars SECOR/Contractor. ● Back into parking spot when possible and safe SECOR/Contractor. ● If reversing with 2 or more personnel in the vehicle, then at least 1 person must exit the vehicle and act as a spotter. If alone before getting in the car, assess the area looking for approaching pedestrians/vehicles. When clear get in vehicle, do a 360 scan then put in gear. Give 2 short honks on the horn, while looking over your shoulder, slowly back out of the parking space being prepared to apply the brakes if needed SECOR/Contractor. ● Maintain cushion of safety from fixed objects. Set parking brake SECOR/Contractor.
POST-TRIP - Report maintenance or mechanical problems upon returning vehicle.		Conditions worsen leading to mechanical failure resulting in accident, injury or death.	<ul style="list-style-type: none"> ● Report vehicle problems immediately to company representative or rental car agency SECOR/Contractor.

Task 3. Complete the underground utility locate.

POC	Development Team	Position/Title	Date	Reviewed By	Position/Title
X	Michael Philipp	West Region Health and Safety Manager	12/3/2003		
			10/24/2005	Michael Philipp	West Region Health and Safety Manager
			10/24/2005	David Stolcenberg	Asst. Engineer/Intern
Site specific edits to this JSA were made by					
If most recent review date is more than six months old, then this JSA must be updated and reviewed again to remain current					
POC is the JSA development 'Point Of Contact'					

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Mobilize with proper equipment/supplies for Utility Locating.	Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs, and leather gloves. (Howard Leight Max foam earplugs with an NRR of 33).	Vehicle accident. Lifting hazards. Delay or improper performance of work due to improper equipment onsite.	<ul style="list-style-type: none"> ● Start project with Daily Production Safety Meeting - SECOR ● Follow safe driving procedures. - SECOR ● Employ safe lifting procedures. - SECOR ● Make sure sub-contractors are aware of their responsibilities for labor, equipment and supplies. - SECOR ● Review permit conditions. - SECOR

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Set up necessary traffic guidance and control equipment.	Wear reflective vest for traffic; steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs and leather gloves as necessary.	Potentially can be struck by vehicle during placement. Vehicle accident as a result of improper traffic guidance and control equipment placement.	<ul style="list-style-type: none"> ● Use buddy system for placing traffic guidance and control equipment - SECOR ● Create a traffic guidance and control plan to address traffic issues. Refer to section above and Traffic - SECOR ● Adhere to approved Traffic Guidance and Control Plans when working in roadways. - SECOR ● It is the responsibility of the SHSO to annotate the Site Plan with the Traffic Guidance and Control configuration if a formally developed Traffic Guidance and Control Plan is not available. - SECOR
Perform Utility Locating, marking utility locations with paint.	Wear reflective vest for traffic; steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs and leather gloves as necessary.	Potentially can be struck by vehicle during placement. Vehicle accident as a result of improper traffic control equipment placement. Muscle strains/sprains from lifting equipment.	<ul style="list-style-type: none"> ● Adhere to approved traffic guidance and control plan - SECOR ● Use proper lifting techniques. - SECOR
Clean site/demobilize.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work.	Traffic. Safety hazard left on site. Lifting hazards.	<ul style="list-style-type: none"> ● Use buddy system as necessary to remove traffic guidance and control equipment. - SECOR ● Leave site clean of refuse and debris. - SECOR ● Clearly mark/barricade any borings that need later topping off or curing. - SECOR ● Notify site personnel of departure, final well locations and any cuttings/purge water left onsite - SECOR ● Use proper lifting techniques - SECOR

Task 4. Establish traffic control as necessary.

POC	Development Team	Position/Title	Date	Reviewed By	Position/Title
			11/21/2005	Philip, Platcow	1
X	Michael Philipp	West Region Health and Safety Manager	11/21/2005		
			2/2/2006	Michael Philipp	West Region Health and Safety Manager
			3/7/2006	Eric Miller	RE Support #3 Purity and BeeJay Scales
			11/21/2005	Joseph Jordan	CHBU
Site specific edits to this JSA were made by					
If most recent review date is more than six months old, then this JSA must be updated and reviewed again to remain current					
POC is the JSA development 'Point Of Contact'					

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Gather proper equipment for implementing Traffic Control Plan (equipment type and quantity is Site specific; visual inspection of the job Site prior to work activities is recommended)			<ul style="list-style-type: none"> • Ensure that all needed or potentially needed Traffic Control equipment is in the truck SECOR/Contractor • Use proper lifting techniques SECOR/Contractor • Determine Level of Traffic Guidance & Control needed - SECOR • Review work plan to determine equipment/supply needs to implement traffic control plan SECOR/Contractor

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Mobilize with proper equipment/supplies for Traffic Control	Delineators (& pad weights), Construction Fencing, Barricades (if applicable) and any other Traffic Control equipment needed, such as Cal Trans signage.		<ul style="list-style-type: none"> ● Start project with Production Safety Meeting (Attachment 11) - SECOR/Contractor. Discuss: -Ensure all SECOR/Client permits are filled out appropriately and discussed - SECOR. -potential hazards and ways to avoid them - SECOR/Contractor. - motor vehicle safety topic - SECOR/Contractor.- current days weather conditions - SECOR/Contractor..- PPE requirements - SECOR/Contractor.- check subcontractors HASP, Certs, MSDSs, and equipment maintenance records - SECOR.- using safe lifting procedures - SECOR/Contractor. ● Make sure sub-contractors are aware of their responsibilities for labor, equipment and supplies - SECOR/Contractor. ● Review permit conditions - SECOR/Contractor. ● Conduct Plan, Prevent, Execute/Safe Performance Self Assessment - SECOR/Contractor. ● Take your time. Do not rush - SECOR/Contractor. ● Assess the area, are there hazards present - SECOR/Contractor? ● Wear safety glasses and leather work gloves when loading, unloading, and whenever material handling - SECOR/Contractor. ● Secure load in vehicle - SECOR/Contractor. ● Use lids to debris/garbage containers. Do not leave buckets open with out a lid! Material in the bucket can spill - SECOR/Contractor.
Set up necessary traffic control. Refer to Attachment 2 for Traffic Guidance and Control Plan & Site Plans.	Delineators (& pad weights), Construction Fencing, Barricades (if applicable), delineators, and any other Traffic Control equipment neededWear reflective vest for traffic; steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves as necessary.	Potentially can be struck by vehicle during placement. Vehicle accident as a result of improper traffic control equipment placement. Struck by vehicle.Slip and fall hazards to workers, back strain.	<ul style="list-style-type: none"> ● Use buddy system for placing traffic control - SECOR/Contractor. ● Create a traffic control plan to address traffic issues. Refer to Traffic Guidance and Control Plan in Attachment 2 - SECOR. ● Adhere to approved Traffic Control Plans when working in roadways - SECOR/Contractor. ● It is the responsibility of the SHSO to annotate the Site Plan with the Traffic Control configuration if an Approved Traffic Control Plan is not available - SECOR.

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Set up Exclusion Zone(s)	Delineators (& pad weights) and Construction Fencing around work zone (set up exclusion zone), Barricades (if applicable) around large pieces of equipment placed in path of motor vehicle/pedestrian traffic, cones are not to be used for delineating the exclusion zone. Wear reflective vest for traffic; steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves as necessary	Slip and fall hazards to workers, back strain. Struck by vehicle.	<ul style="list-style-type: none"> ● Implement exclusion zone set-up instructions (Refer to Attachment 2) - SECOR/Contractor. ● It is the responsibility of the SHSO to annotate the Site Plan with the Traffic Control configuration if an Approved Traffic Control Plan is not available - SECOR/Contractor.
Clean Site and Break Down traffic control equipment.	Wear reflective vest for traffic; steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs and leather gloves as necessary.	Potentially can be struck by vehicle during placement. Vehicle accident as a result of improper traffic control equipment placement. Slip and fall hazards to worker	<ul style="list-style-type: none"> ● Use buddy system for cleaning and removing traffic control equipment - SECOR/Contractor. ● Ensure that all traffic control equipment brought to the Site is taken (except for special circumstances) - SECOR/Contractor.

Task 5. Complete advancement of ten borings 7 borings on the property (BA1 - BA6, and BA8) and three borings inside the station building (BA7, BA9 and BA10).

POC	Development Team	Position/Title	Date	Reviewed By	Position/Title
			12/3/2003	Michael Philipp	West Region Health and Safety Manager
X	Michael Philipp	West Region Health and Safety Manager	12/3/2003		
			12/3/2003	David Stolcenberg	Asst. Engineer/Intern
Site specific edits to this JSA were made by					
If most recent review date is more than six months old, then this JSA must be updated and reviewed again to remain current					
POC is the JSA development 'Point Of Contact'					

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
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Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Clear drilling locations.	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves.	Traffic hazards, overhead and underground installations, product releases, property damage, and dealer inconvenience.	<ul style="list-style-type: none"> ● Reference Utility Clearance Review form (Attachment 4) - SECOR ● Coordinate with Site Manager (or designee) to minimize potential conflicts. - SECOR ● Review proposed locations against available construction drawings and known utilities, tanks, product lines, etc. - SECOR ● Mark out the proposed borehole locations. - SECOR ● Call underground utility locating service for public line location clearance and get list of utilities being contacted. If necessary, coordinate private line locator for private property. - SECOR ● Develop a traffic guidance and control plan with the client and local agencies as applicable. Plan may include use of delineators, barrier tape, jersey barriers, snow fence, etc. (Refer to section above). - SECOR ● It is the responsibility of the SHSO to annotate the Site Plan with the Traffic Guidance and Control configuration if a formally developed Traffic Guidance and Control Plan is not available. - SECOR
Obtain sub-contractor equipment maintenance records prior to commencing work.		Improper equipment maintenance, which can cause equipment failure and possible personal injury.	<ul style="list-style-type: none"> ● Verify and review maintenance records for equipment on site. - SECOR ● Verify maintenance is current. - SECOR

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Mobilize with proper equipment/supplies for drilling.	Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs, and leather gloves for the non-chemical aspects of work. Wear an air purifying respirator with combination organic vapor/P-100 cartridges, and other PPE as needed. (Use a North 7600 series full face respirator or its equivalent. Best brand nitrile gloves or their equivalent. Howard Leight Max foam earplugs with an NRR of 33. Tyvek, poly coated chemical resistant suit or its equivalent).	Vehicle accident. Lifting hazards. Delay or improper performance of work due to improper equipment onsite.	<ul style="list-style-type: none"> ● Start project with Production Safety Meeting (Attachment 11) - SECOR ● Follow safe driving procedures. - SECOR ● Employ safe lifting procedures. - SECOR ● Make sure sub-contractors are aware of their responsibilities for labor, equipment and supplies. - SECOR ● Review permit conditions. - SECOR
Visually clear proposed drilling locations.	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves.	Underground and overhead installations.	<ul style="list-style-type: none"> ● Complete Pre-Mobilization section of Utility Clearance Review form (Attachment 4) and adjust drilling locations as necessary. - SECOR
Set up necessary traffic guidance and control equipment. (See Attachment 2)	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves.	Struck by vehicle during placement. Vehicle accident as a result of improper traffic control equipment placement.	<ul style="list-style-type: none"> ● Use buddy system for placing traffic guidance and control equipment placement. - SECOR ● Implement traffic guidance and control plan such as setting out cones and tape defining safety area. - SECOR ● Adhere to approved Traffic Guidance and Control Plans when working in roadways. - SECOR ● It is the responsibility of the SHSO to annotate the Site Plan with the Traffic Guidance and Control configuration if a formally developed Traffic Guidance and Control Plan is not available. - SECOR

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Assist with set up of rig.	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves.	Vehicle accident during rig movement. Damage caused by rig while accessing set-up location. Contact with overhead installations. Soft terrain. Rig movement.	<ul style="list-style-type: none"> ● Verify clear pathway to drilling location and clearance for raising mast. - SECOR ● Provide as-needed hand signals and guidance to driver to place rig. - SECOR ● Visually inspect rig (fire extinguisher on board, no oil or other fluid leaks, cabling and associated equipment in good condition, pressurized hoses secured with whip-checks or adequate substitute, jacks in good condition?). - SECOR ● If necessary, use wooden blocks under jacks to spread load. - SECOR ● Chock wheels. - SECOR
Set up exclusion zone(s) and workstations (drilling and logging/sample collection).	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves.	Struck by vehicle during set up. Slip, trip and fall hazards.	<ul style="list-style-type: none"> ● Implement exclusion zones. - SECOR ● It is the responsibility of the SHSO to annotate the Site Plan with the configuration of the exclusion zones. - SECOR ● Set up workstations with clear walking paths to and from rig. - SECOR ● Use caution tape, snow fence and/or delineators to mark out work zones. - SECOR

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
<p>Clear upper eight feet of borehole location using post-hole digger or hand auger.</p>	<p>Don required PPE as appropriate for this step: steel toed and shank shoes, hard hat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work. Wear chemical resistant gloves during handling of soil. Wear an air-purifying respirator with combination organic vapor/P-100 cartridges if necessary.</p>	<p>Back strain, exposure to chemical hazards, hitting an underground utility, repetitive motion.</p>	<ul style="list-style-type: none"> ● Complete Pre-Drilling section of Utility Clearance Review form (Attachment 4) and adjust drilling locations as necessary. - SECOR ● Stand upwind to avoid exposure whenever possible. - SECOR ● Use the organic vapor monitor aggressively to track the airborne concentration of contaminants close to potential sources such as the core as it is being raised from the hole, the core is opened, etc.). - SECOR ● Initiate air quality monitoring in accordance with Section 12. - SECOR ● Have appropriate respirator with combination organic vapor/P-100 cartridges within 3-5 feet of work area, readily available. - SECOR ● Evaluate any soil samples inside a Ziploc bag at arm's length. DO NOT EVALUATE THE SAMPLE WITH THE BAG OPEN. THIS WILL AVOID UNNECESSARY EXPOSURE. - SECOR ● Use proper lifting techniques and tools. Avoid twisting back during the operation. - SECOR ● Decontaminate equipment after use. Decontamination will be accomplished by an Alconox wash with tap water rinse followed by a de-ionized or distilled water rinse. Collect rinse water in 5 gallon buckets and transfer to 55-gallon drums and stage drums (state wear specifically, drums are to be stored on site) - SECOR
<p>Commence drilling borehole.</p>	<p>Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work. Wear appropriate air purifying respirator with combination organic vapor/P-100 cartridges if needed. Wear chemical resistant gloves if needed. Wear chemical resistant suit if needed.</p>	<p>Cross-contamination from previous hole. Back strain, heat or cold stress, eye injury, noise, exposure to chemical hazards, hitting an underground utility, slip, trip and fall hazards, and equipment failure</p>	<ul style="list-style-type: none"> ● Decontaminate sampling equipment after collecting each sample. Decontamination will be accomplished by an Alconox wash with tap water rinse followed by a de-ionized or distilled water rinse. Collect rinse water in 5 gallon buckets and transfer to 55-gallon drums and stage drums (state wear drums are to be stored on site) - SECOR ● Decontaminate drilling equipment after each borehole. ...(state how subcontractor decons equipment) - SECOR ● Use proper lifting techniques. - SECOR ● Conduct air monitoring as outlined in Section 12 - SECOR ● Have appropriate respirator with combination organic vapor/P-100 cartridges within 3-5 feet of work area, readily available. - SECOR ● Monitor drilling progress. - SECOR ● Keep work area clear of tripping or slipping hazards. - SECOR ● Perform periodic visual inspections of drill rig. - SECOR

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Collect samples in accordance with sampling plan.	Wear appropriate air purifying respirator with combination organic vapor/P-100 cartridges as needed. Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, chemical resistant gloves and chemical resistant suit as needed.	Cross-contamination, improper labeling or storage, exposure to site contaminants.	<ul style="list-style-type: none"> ● Conduct air monitoring as outlined in Section 12 - SECOR ● Have appropriate respirator with combination organic vapor/P-100 cartridges within 3-5 feet of work area, readily available. - SECOR ● Evaluate any soil samples inside a Ziploc bag at arm's length. DO NOT EVALUATE THE SAMPLE WITH THE BAG OPEN. THIS WILL AVOID UNNECESSARY EXPOSURE. - SECOR ● Decontaminate sampling equipment between each sampling run. Decontamination will be accomplished by an Alconox wash with tap water rinse followed by a distilled rinse. Collect rinse water in 5 gallon buckets and transfer to 55-gallon drums and stage drums (say where it will be stored) - SECOR ● Label samples in accordance with sampling plan. Keep samples stored in proper containers, at correct temperature, and away from work area. - SECOR
Cuttings will be picked up by shovel and placed directly in 55-gallon drums.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work. If you suspect that equipment is contaminated, wear chemical resistant gloves. Wear chemical protective suit and/or appropriate air purifying respirator with combination organic vapor/P-100 cartridges as needed.	Exposure to public. Traffic hazard or obstruction/inconvenience to station operation. Improper storage or disposal.	<ul style="list-style-type: none"> ● Have proper storage containment and labeling available onsite. Place materials in isolated location away from traffic and other site functions. - SECOR ● Perform air monitoring as outlined in Section 12 - SECOR ● Have appropriate respirator with combination organic vapor/P-100 cartridges within 3-5 feet of work area, readily available. - SECOR ● Full drums will be staged (Indicate where the cuttings will be stored on the site) - SECOR

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Backfill borehole.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work.	Improper grouting can lead to future vertical conduit for contaminant migration. Back strain, slip, trip and fall hazards, and eye injury from splashing or release of pressurized grout. Unauthorized backfilling causes extra work.	<ul style="list-style-type: none"> ● Mix grout to specification and completely fill the hole. - SECOR ● Use proper lifting techniques. - SECOR ● Keep work area clear of tripping hazards. - SECOR
Supervisor/HSC must confirm all boreholes are closed, filled in and/or capped.		Possible injuries and damage to property due to stepping into or driving over the well.	<ul style="list-style-type: none"> ● Visually inspect each and every borehole. - SECOR
Clean site/demobilize.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work.	Traffic. Safety hazard left on site. Lifting hazards.	<ul style="list-style-type: none"> ● Use buddy system as necessary to remove traffic guidance and control equipment. - SECOR ● Leave site clean of refuse and debris. - SECOR ● Clearly mark/barricade any borings that need later topping off or curing. - SECOR ● Notify site personnel of departure, final well locations and any cuttings/purge water left onsite. - SECOR ● Use proper lifting techniques. - SECOR
Package and deliver samples to lab.		Bottle breakage, back strain.	<ul style="list-style-type: none"> ● Handle and pack bottle carefully (bubble wrap bags are helpful). - SECOR ● Use proper lifting techniques. - SECOR

Task 6. Collect soil samples from each boring

POC	Development Team	Position/Title	Date	Reviewed By	Position/Title
X	Michael Philipp	West Region Health and Safety Manager	12/3/2003		
			12/3/2003	Michael Philipp	West Region Health and Safety Manager
			12/3/2003	David Stolcenberg	Asst. Engineer/Intern
Site specific edits to this JSA were made by					
If most recent review date is more than six months old, then this JSA must be updated and reviewed again to remain current					
POC is the JSA development 'Point Of Contact'					

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Clear probing locations.	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves as necessary.	Traffic hazards, overhead and underground installations, product releases, property damage, dealer inconvenience.	<ul style="list-style-type: none"> ● Reference Utility Clearance Review form (Attachment 4) - SECOR ● Coordinate with Site Manager (or designee) to minimize potential conflicts. - SECOR ● Review proposed locations against available construction drawings and known utilities, tanks, product lines, etc. - SECOR ● Mark out the proposed probing locations. - SECOR ● Call underground utility locating service for public line location clearance and get list of utilities being contacted. If necessary, coordinate private line locator for private property. - SECOR ● Develop a traffic guidance and control plan with the client and local agencies as applicable. Plan may include use of delineators, barrier tape, jersey barriers, snow fence, etc. (Refer to Attachment 2). - SECOR ● It is the responsibility of the SHSO to annotate the Site Plan with the Traffic Guidance and Control configuration if a formally developed Traffic Guidance and Control Plan is not available. - SECOR
Obtain sub-contractor equipment maintenance records prior to commencing work.		Improper equipment maintenance, which can cause equipment failure and possible personal injury.	<ul style="list-style-type: none"> ● Verify records in possession are for equipment on site. - SECOR ● Verify maintenance is current. - SECOR

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Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Mobilize with proper equipment/supplies for probing.	Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hard hat, safety glasses with side shields, ear plugs/muffs, leather gloves for the non-chemical aspects of work as necessary; Wear an air purifying respirator with combination organic vapor/P-100 cartridges, and other PPE as needed. (Use a North 7600 series full face respirator or its equivalent. Best brand nitrile gloves or their equivalent. Howard Leight Max foam earplugs with an NRR of 33 or their equivalent. Tyvek, poly coated chemical resistant suit or its equivalent).	Vehicle accident. Lifting hazards. Delay or improper performance of work due to improper equipment onsite.	<ul style="list-style-type: none"> ● Start project with Production Safety Meeting (Attachment 11) - SECOR ● Follow safe driving procedures. - SECOR ● Employ safe lifting procedures. - SECOR ● Make sure sub-contractors are aware of their responsibilities for labor, equipment and supplies. - SECOR ● Review permit conditions. - SECOR
Visually clear proposed probing locations.	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves as necessary.	Underground and overhead installations.	<ul style="list-style-type: none"> ● Complete Pre-Mobilization section of Utility Clearance Review form (Attachment 4) and adjust probing locations as necessary. - SECOR
Set up necessary traffic guidance and control equipment. See Attachment 2 for detailed plan.	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves as necessary.	Struck by vehicle during placement. Vehicle accident as a result of improper traffic guidance and control equipment placement.	<ul style="list-style-type: none"> ● Use buddy system for placing traffic guidance and control equipment. - SECOR ● Implement traffic guidance and control plan such as setting out delineators, snow fence and caution tape defining safety area. - SECOR ● Adhere to approved Traffic Guidance and Control Plans when working in roadways. (See Attachment 2). - SECOR ● It is the responsibility of the SHSO to annotate the Site Plan with the Traffic Guidance and Control configuration if a formally developed Traffic Guidance and Control Plan is not available. - SECOR

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Assist with set up of rig.	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, leather gloves as necessary.	Vehicle accident during rig movement. Damage caused by rig while accessing set-up location. Contact with overhead installations. Soft terrain. Rig movement.	<ul style="list-style-type: none"> ● All staff should know where the kill switch is for the drilling rig. - SECOR ● Verify clear pathway to drilling location and clearance for raising mast. - SECOR ● Provide as-needed hand signals and guidance to driver to place rig. - SECOR ● Visually inspect rig (fire extinguisher on board, no oil or other fluid leaks, associated equipment in good condition, pressurized hoses secured with whip-checks or adequate substitute, jacks in good condition?). - SECOR ● If necessary, use wooden blocks under jacks to spread load. Chock wheels. - SECOR
Set up exclusion zone(s) and workstations (probing and logging/sample collection).	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves as necessary.	Struck by vehicle during set up. Slip trip and fall hazards.	<ul style="list-style-type: none"> ● Implement exclusion zone set-up as appropriate for each probing location. - SECOR ● Set up workstations with clear walking paths to and from rig. - SECOR ● Use caution tape, snow fence and delineators. - SECOR ● It is the responsibility of the SHSO to annotate the Site Plan with the exclusion zone configuration. - SECOR

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Clear upper eight feet of soil sample location using small diameter hand auger.	Don required PPE as appropriate for this step: steel toed and shank shoes, hard hat, safety glasses with side shields, hearing protection, reflective safety vest, leather gloves for the non-chemical aspects of work as necessary. Wear chemical resistant gloves during handling of soil. Wear an air-purifying respirator with combination organic vapor/P-100 cartridges if necessary. (Use a North 7600 series full face respirator or its equivalent. Best brand nitrile gloves or their equivalent. Howard Leight Max foam earplugs with an NRR of 33 or their equivalent. Tyvek poly coated chemical resistant suit or its equivalent).	Back strain, exposure to chemical hazards, hitting an underground utility, repetitive motion.	<ul style="list-style-type: none"> ● Initiate air quality monitoring in accordance with Section 12. - SECOR ● Stand upwind to avoid exposure whenever possible. - SECOR ● Use the organic vapor monitor aggressively to track the airborne concentration of contaminants close to potential sources such as the core as it is being raised from the hole, the core is opened, etc.). - SECOR ● Have appropriate respirator with combination organic vapor/P-100 cartridges within 3-5 feet of work area, readily available. - SECOR ● Evaluate any soil samples inside a Ziploc bag at arm's length. DO NOT EVALUATE THE SAMPLE WITH THE BAG OPEN. THIS WILL AVOID UNNECESSARY EXPOSURE. - SECOR ● Use proper lifting techniques and tools. - SECOR ● Complete the Pre-Drilling section of the Borehole Clearance Review form. - SECOR ● Avoid twisting back during the operation; Decontaminate equipment after use. Decontamination will be accomplished by an Alconox wash with tap water rinse followed by a de-ionized or distilled water rinse. Collect rinse water in 5 gallon buckets and transfer to 55-gallon drums and stage drums (say where it will be stored) - SECOR
Commence soil sampling operations.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work as necessary. Wear appropriate air purifying respirator with combination organic vapor/P-100 cartridges if needed.	Cross-contamination from previous hole. Back strain, heat or cold, eye injury, noise, exposure to chemical hazards, hitting an underground utility, slip, trip and fall hazards, equipment failure	<ul style="list-style-type: none"> ● Avoid twisting back during the operation; Decontaminate equipment after use. Decontamination will be accomplished by an Alconox wash with tap water rinse followed by a de-ionized or distilled water rinse. Collect rinse water in 5 gallon buckets and transfer to 55-gallon drums and stage drums (say where it will be stored). - SECOR ● Use proper lifting techniques. - SECOR ● Monitor air quality in accordance with Section 12 - SECOR ● Have appropriate respirator with combination organic vapor/P-100 cartridges within 3-5 feet of work area, readily available. - SECOR ● Monitor probing progress. - SECOR ● Keep work area clear of tripping or slipping hazards. - SECOR ● Perform periodic visual inspections of probing rig. - SECOR

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Collect samples in accordance with sampling plan.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and chemical resistant gloves as necessary. Wear appropriate air purifying respirator with combination organic vapor/P-100 cartridges as needed.	Cross-contamination. Back strain, inhalation or dermal exposure to chemical hazards, slip and fall. Improper labeling or storage, injury from broken sample bottle (cuts or acid burn).	<ul style="list-style-type: none"> ● Perform air monitoring in accordance with Section 12 - SECOR ● Have appropriate respirator with combination organic vapor/P-100 cartridges within 3-5 feet of work area, readily available. - SECOR ● Decontaminate sampling equipment between each probe or sample. - SECOR ● Use proper lifting techniques. - SECOR ● Label samples in accordance with sampling plan. - SECOR ● Keep samples stored in proper containers, at correct temperature, and away from work area. Handle bottles carefully. - SECOR
Excess soil will be picked up by shovel and placed directly in 55-gallon drums.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work as necessary. If you suspect that equipment is contaminated, wear chemical resistant gloves.	Exposure to public. Traffic hazard or obstruction/inconvenience to station operation. Improper storage or disposal. Back strain.	<ul style="list-style-type: none"> ● Have proper storage containment and labeling available onsite. - SECOR ● Place materials in isolated location away from traffic and other site functions. Drums will be staged (say where drums will be staged)(See section for Waste Description). - SECOR ● Do not attempt to lift, push or move bins/drums without the proper tools and equipment. - SECOR
Backfill probe hole.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work as necessary.	Improper grouting can lead to future vertical conduit for contaminant migration. Back strain, slip, trip and fall hazards, and eye injury from splashing or release of pressurized grout. Unauthorized backfilling causes extra work.	<ul style="list-style-type: none"> ● Mix grout/cement to specification and completely fill the hole. - SECOR ● Use proper lifting techniques. - SECOR ● Keep work area clear of tripping hazards. - SECOR
Supervisor/HSC must confirm all boreholes/probings are closed, filled in and/or capped.		Possible injuries and damage to property due to stepping into or driving over the well.	<ul style="list-style-type: none"> ● Visually inspect each and every borehole/probing. - SECOR

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Clean site/demobilize.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work as necessary.	Traffic. Safety hazard left on site. Lifting hazards.	<ul style="list-style-type: none"> ● Use buddy system as necessary to remove traffic guidance and control equipment. - SECOR ● Leave site clean of refuse and debris. - SECOR ● Clearly mark/barricade any probings that need later topping off or curing. - SECOR ● Notify site personnel of departure, final well locations and any cuttings left onsite. - SECOR ● Use proper lifting techniques. - SECOR
Package and deliver samples to lab.		Bottle breakage, back strain.	<ul style="list-style-type: none"> ● Handle and pack bottle carefully (bubble wrap bags are helpful). Use proper lifting techniques. - SECOR

Task 7. Demobilize from the site.

POC	Development Team	Position/Title	Date	Reviewed By	Position/Title
X	Michael Philipp	West Region Health and Safety Manager	12/3/2003		
			12/3/2003	Michael Philipp	West Region Health and Safety Manager
			12/3/2003	David Stolcenberg	Asst. Engineer/Intern
Site specific edits to this JSA were made by					
If most recent review date is more than six months old, then this JSA must be updated and reviewed again to remain current					
POC is the JSA development 'Point Of Contact'					

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
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Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Evaluate staff and contractor requirements.	Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs, and leather gloves for the non-chemical aspects of work as necessary; Wear an appropriate air purifying respirator with combination organic vapor/P-100 cartridges, and other PPE as needed. (Use a North 7600 series full face respirator or its equivalent. Best brand nitrile gloves or their equivalent. Howard Leight Max foam earplugs with an NRR of 33 or their equivalent. Tyvek, poly coated chemical resistant suit or its equivalent).	Improper or inadequate work performance due to staff and contractors that are not capable of performing tasks successfully and correctly. Trespassers. Vehicle accident. Lifting hazards. Delay or improper performance of work due to improper equipment onsite.	<ul style="list-style-type: none"> ● Thoroughly check all staff and contractor skills and abilities. - SECOR ● Provide staff and subcontractors with scope of work and HASP so it is in their possession at least 4 days before the job starts. - SECOR ● Use of buddy system is required. - SECOR ● No one will be on-site alone, or after-dark work. - SECOR ● Follow safe driving procedures. - SECOR ● Employ safe lifting procedures. - SECOR
Review Scope of Work.		Improper or inadequate work performance due to staff that are not thoroughly informed of tasks to be completed and potential risks. Paper cuts	<ul style="list-style-type: none"> ● Scope of work must be reviewed so that all staff are informed of tasks to be completed and are aware of all potential risks and hazards associated with the site. - SECOR
Complete access and agency notification		Unauthorized staff on-site. Notice of Violation	<ul style="list-style-type: none"> ● Verify that personnel are signed in with Rudy. Call Agency contact and on site client representative with timeframes and number of crews to be working. - SECOR
Evaluate equipment needs.		Possible delay or improper performance of work due to improper equipment onsite, or unprepared contractors.	<ul style="list-style-type: none"> ● Thoroughly review all tasks that are to be completed, and compile a list of equipment that will be needed. - SECOR

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Order equipment and schedule staff.		Possible delay or improper performance of work due to improper equipment and staff onsite.	<ul style="list-style-type: none"> ● Evaluate the equipment and staff requirements for the site, and make arrangements to fill the needs. - SECOR
Travel arrangements.		Insufficient staff on site, delays in work.	<ul style="list-style-type: none"> ● Make all travel arrangements well ahead of time when possible. - SECOR
Accessing Job Trailer.		Because of reduced security and increased potential for break-ins and trespassers, additional security measures have been taken.	<ul style="list-style-type: none"> ● Be sure to let your PM know your ETA. - SECOR ● Sign out the keys to the trailer and equipment cabinet from the equipment coordinator. - SECOR ● Doors to job trailer will be locked when no one is in the trailers. - SECOR ● Be sure to lock vehicle doors when they are unoccupied in parking lot. - SECOR ● Be sure to keep track of the key ring with the keys to the trailer and equipment cabinet. - SECOR
Kickoff meeting.	Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs, and leather gloves for the non-chemical aspects of work as necessary; Wear an appropriate air purifying respirator with combination organic vapor/P-100 cartridges, and other PPE as needed. (Use a North 7600 series full face respirator or its equivalent. Best brand nitrile gloves or their equivalent. Howard Leight Max foam earplugs with an NRR of 33 or their equivalent. Tyvek, poly coated chemical resistant suit or its equivalent).	Staff who are not prepared to work properly. Tasks that are not completed or are delayed.	<ul style="list-style-type: none"> ● Prepare a kick off meeting to inform the staff and contractors of all tasks and potential hazards. - SECOR

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE)/Safe Performance Self Assessment (SPSA) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered. Each employee is empowered, expected, and has the responsibility to stop the work performed by him/herself or another co-worker if the working conditions or behaviors are considered unsafe. All employees should act proactively to identify and mitigate hazards to the safest extent of their ability.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
<p>A Daily Production Safety meeting shall be held each day, even if there is only one person working on the project on any given day.</p>	<p>Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, ear plugs/muffs, and leather gloves for the non-chemical aspects of work as necessary; Wear an appropriate air purifying respirator with combination organic vapor/P-100 cartridges, and other PPE as needed. (Use a North 7600 series full face respirator or its equivalent. Best brand nitrile gloves or their equivalent. Howard Leight Max foam earplugs with an NRR of 33 or their equivalent. Tyvek, poly coated chemical resistant suit or its equivalent).</p>	<p>Weather related accidents, slip, trips, falls. Struck by vehicle. Chemical exposure. Heat/cold stress conditions.</p>	<ul style="list-style-type: none"> ● Topics will always include the work scheduled for the day and restatement of the hazards and means to avoid them. Other topics may extricate from the list included in the HASP. - SECOR ● Check Contractors for their HASP, equipment maintenance records, MSDSs and certifications. - SECOR

ATTACHMENT 1
CHEVRON'S SAFETY PROCEDURES

CHEVRON'S SAFETY PROCEDURES

Chevron requires anyone working on their sites to have Loss Prevention System (LPS) training. All SECOR International Inc. personnel and Sub-contractors working under SECOR International Inc., are required to carry on their person at all times, the Safe Performance Self Assessment/Root Cause Analysis Flowchart card given to them at the completion of LPS Training See Attachment #1 (CLIENT SAFETY PROCEDURES) for additional information.

ATTACHMENT 1a
STOP WORK POLICY

EMC Policy

STOP WORK AUTHORITY

Every ChevronTexaco Employee, Contractor and Sub-Contractor at an EMC work site, is empowered, expected and has the responsibility to stop the work of another co-worker if the working conditions or behaviors are considered unsafe.

If anyone is discouraged from exercising the "Stop Work Authority" or are penalized for doing so, then they should report this action to EMC's HES Manager at 925-842-0623.



BBL
Jay Keough - VP Safety



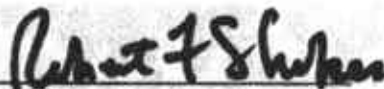
ENBACT
Dean Pisani - President



Parsons
Bob Mannebach - Account Mgr.



RECON
Steve Birdwell - President



SAIC
Robert Shokes - Sr. VP



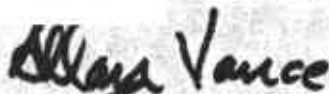
SECOR
Patrice Martin - Account Mgr.



TR HYDR
Keith Marcott - Account Mgr.



URS
Bob Vandervort - Account Mgr.



CHEVRON EMC
Allan Vance - President

Stop Work Field Sheet

Date: _____

Time Work Stopped: _____ Time Work Restarted: _____

Job Name: _____ Job Number: _____

Personnel on Site: _____

Reason for Work Stoppage (be as detailed as possible): _____

Actions taken to get Work Restarted: _____

Is Near Loss Investigation Warranted? _____

NLI Reference #: _____

Is Hazard Identification Card Use Warranted? _____

Was Site/Project Manager Notified; Time of Notification? _____

Work Stoppage Initiated By: _____

Company: _____

JSA TITLE: The following table addresses the concerns with _____.

Job:	
Detail:	
Prep:	Assemble tools and equipment, Complete Journey Management Plan (JMP), Journey Hazard Assessment Card, and Daily Vehicle Inspection Checklist.
Tools and Equip:	H2S Monitor
PPE:	Steel toed and shank shoes, hard hat, safety glasses with side shields, _____.
	Optional (depending on job):


Item	Task	Hazard	Control & Responsibility
1	Perform SPSA.	NLI, Near Misses.	<ul style="list-style-type: none"> Assess the potential hazards. Analyze how to reduce the risk. Act to ensure site visit is performed safely. – SECOR FIELD STAFF Review JSA. – SECOR FIELD STAFF
2	Mobilize with proper equipment/supplies.	Vehicle accident; Lifting hazards; Delay or improper/unsafe performance of work due to improper equipment on-site.	<ul style="list-style-type: none"> Follow safe driving JSA. – SECOR DRIVER Ensure equipment and supplies are loaded correctly and don't shift during driving. – SECOR FIELD STAFF Use proper lifting techniques. – SECOR FIELD STAFF Review work plan to determine equipment/supply needs. – SECOR FIELD STAFF Make sure all sampling/gauging equipment is decontaminated. – SECOR FIELD STAFF
3	Conduct tailgate safety meeting.	Personnel unaware of site-specific hazards and procedures.	<ul style="list-style-type: none"> Review all site-specific hazards that may be encountered. – SECOR SHSO Ensure HASP and tailgate meeting form are reviewed and signed. Conduct a second daily tailgate meeting and JSA review after lunch. – SECOR SHSO
4	Set up necessary traffic guidance and control equipment.	Struck by vehicle during placement; Vehicle accident as a result of improper traffic control equipment placement.	<ul style="list-style-type: none"> Use buddy system for placing traffic guidance and control equipment. – SECOR FIELD STAFF Reference traffic guidance and control plan. – SECOR SHSO

5	Calibrate and check all equipment.	Equipment malfunction; Inaccurate data.	<ul style="list-style-type: none"> ● Bump test H2S monitor. Don H2S monitor below head level and wear at all times on site – SECOR FIELD STAFF
	Clean site/demobilize.	Traffic hazards. Safety hazard left on-site. Lifting hazard.	<ul style="list-style-type: none"> ● Use buddy system as necessary to remove traffic guidance and control equipment. – SECOR FIELD STAFF ● Leave site clean of refuse and debris. – SECOR FIELD STAFF ● Use proper lifting techniques or use mechanical assistance. – SECOR FIELD STAFF
	Traveling from the site.	Motor vehicle collisions.	<ul style="list-style-type: none"> ● Follow safe driving procedures, use driving JSA. – SECOR DRIVER ● Check weather reports before traveling. – SECOR DRIVER ● Take breaks on long drives. Do not rush. – SECOR DRIVER
	Daily JSA Update (i.e., weather changes, yesterday's lessons learned, anticipated site visitors, new SSEs, etc.). <i>This section should be updated in the field.</i>		
	Initial Development, Review & Approval:		
	Revision & Approval:		

Post Job Review: Please note tasks/hazards that were encountered on this job which were not addressed in the current JSA. Forward items to the local HES Champion for including in revisions to the JSA.

Signatures		
Print Name	Company	Signature

	Tenet #	SHSO Initials
Tenets Applicable to Work:		



Tenets of Operational Excellence

1. Always operate within design or environmental limits.
2. Always operate in a safe and controlled condition.
3. Always ensure safety devices are in place and functioning.
4. Always follow safe work practices and procedures.
5. Always meet or exceed customers' requirements.
6. Always maintain integrity of dedicated systems.
7. Always comply with all applicable rules and regulations.
8. Always address abnormal conditions.
9. Always follow written procedures for high-risk or unusual situations.
10. Always involve the right people in decisions that affect procedures and equipment.

Stop Work Authority ChevronTexaco

It is your responsibility – and you have the authority
Your ideas and concerns are important

We always comply with the Tenets of Operational Excellence shown on the reverse side of this card. As an employee or contractor for ChevronTexaco, you are responsible and authorized to stop any work that does not comply with these tenets and there will be no repercussionsto you. That is our commitment to you.


 Daniel Rocha
 Environmental Management Company President (925) 842-5200

**ATTACHMENT 1c
BLANK LPO FORM**

LPO Type	Multi-Task - General	Date and Time	
Work Type			
EMC Business Unit		Organization:	Secor
Chevron Facility		Chevron PM	
Department		Division	Houston

Observer	Title
Observer's Positive Comments	

Site Location	
Equipment On Site	
Personnel On Site	
Weather Conditions	
Unusual Conditions	
Observee's supervisor	Title
Observee:	<input type="checkbox"/> The observee was observed performing his/her regular job <input type="checkbox"/> The observee was observed during his/her regular shift

Conclusion of Feedback (Detail of Why the Questionable Item(s) Occurred).

Explanation of Root Cause(s) Analysis Numbers (RCA No):

1	Lack of skill or knowledge	5	Doing the job according to procedures or acceptable practices takes more time/effort
2	Lack of or inadequate operational procedures	6	Short-cutting procedures or acceptable practices is positively reinforced or tolerated
3	Inadequate communication of expectations regarding procedures or acceptable practices	7	In the past, did not follow procedures or acceptable practices and no incident occurred (injury, product quality incident, equipment damage, regulatory assessment or production delay)
4	Inadequate tools or equipment (available, operable and safely maintained, proper task and workplace design)	8	External factors

Item No	RCA No	Solution(s): How to Prevent Questionable Behavior From Reoccurring	Person Responsible	Due Date	Completed	Verified/ Validated

Results of Solution Verification & Validation

Feedback Conducted By:	Date and Time:
Reviewed By	Position/Title
	Date

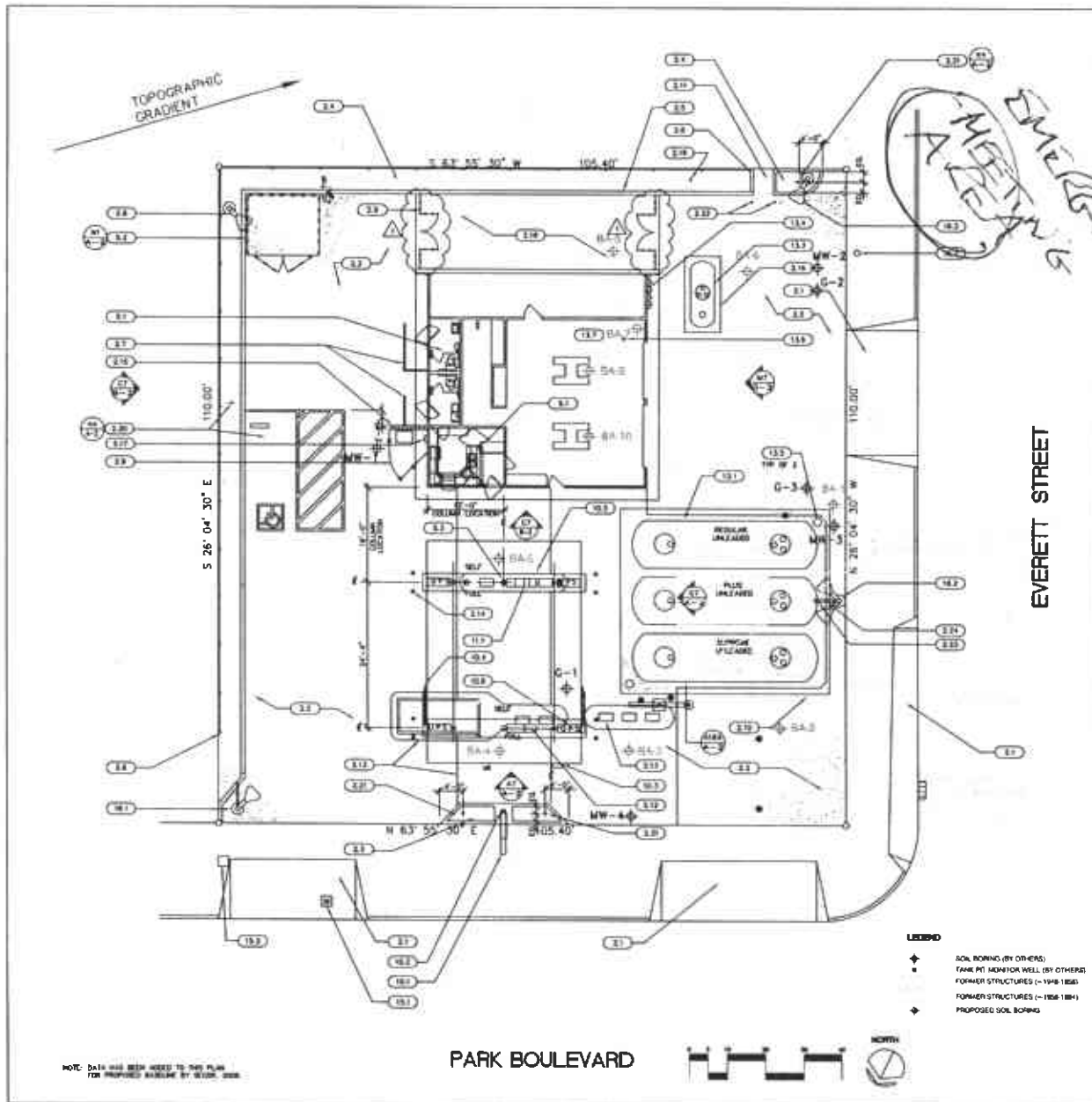
	Pre-Task Preparation	Correct	Questionable	Comments
1	Employee familiar / trained on task			
2	SPSA performed prior to beginning work			
3	Air monitoring equipment on site, calibrated			
4	Air monitoring conducted / action levels understood			
5	Review procedure and/or JSA			
6	Personal protective equipment			
7	Barricades/warning devices/cones			
8	Work zones established and marked			
9	Traffic hazards addressed			
10	Health and Safety Plan / MSDSs on site			
11	Materials labeled properly			
12	Tailgate safety meeting performed			
13	OE Tenets Discussed			
14	Stop Work Authority Reviewed			
15	Knowledge of emergency procedures			
16	Select tools/check equipment & tool condition			
17	Communicates intentions to other personnel			
18	First aid kit / fire extinguisher on site			
19	Short service employees identified and policy followed			
20	One person trained in first aid / CPR			
21	OSHA-required training / medical surveillance			
22	Electrical cords inspected / in good condition			
23	Utility mark out / check performed			
24	Spill kits available where needed (i.e., fueling areas)			
25	Other			
	Performing Task			
26	SPSA before beginning new task			
27	Utility clearances / all call completed			
28	Adequate lighting for tasks			
29	Emergency procedures reviewed			
30	Correct body positioning			
31	Uses travel paths/walkways			
32	Proper lifting / pushing / pulling techniques			
33	Keep hands / body away from pinch points			
34	Line of fire (danger)			
35	Digging by hand in questionable areas			
36	Distance between equipment and power lines			
37	Electrical equipment connected through GFCI			
38	Equipment / tools used properly			
39	Walking / working surfaces free of hazards			
40	Follows lockout / tagout procedures			
41	Follows excavation/shoring procedures			
42	Follows safe entry procedures			
43	Wheel Chocks in Place on Parked Heavy Vehicles			
44	Crane operation / rigging performed properly			
45	Drilling located properly / blocked / chocked and moved only with derrick lowered			
46	Spotter used for backing equipment/vehicle			
47	Seat belts used when vehicles/equipment is running			
48	Procedures / JSA followed			
49	Personnel decon prior to eating/drinking/smoking			
50	Samples properly collected / labeled / preserved			
51	Near losses / losses investigated and reported			
52	Other			
	Post-Task			
53	Procedures / JSA adequate			
54	Housekeeping / storage			
55	Barricades/warning devices/cones			
56	Equipment decontaminated properly			
57	Equipment / tools stored properly			
58	Proper storage of soil / water / waste material			
59	Work area secured			
60	Other			

ATTACHMENT 2

SITE PLAN(S)

ATTACHMENT 2a
TRAFFIC CONTROL PLAN(S)

ATTACHMENT 2b
EVACUATION PLAN(S)



NOTE: DATA WAS OBTAINED FROM THE PLAN FOR PURPOSES OF THIS PLAN.

PARK BOULEVARD

EVERETT STREET

GENERAL NOTES

1. THIS PLAN IS A PRELIMINARY DESIGN AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. THE CLIENT HAS PROVIDED ALL NECESSARY INFORMATION AND DATA FOR THE PREPARATION OF THIS PLAN.
3. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS AND SURVEYS AS SHOWN ON THIS PLAN.
4. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS AND SURVEYS AS SHOWN ON THIS PLAN.
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19. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS AND SURVEYS AS SHOWN ON THIS PLAN.
20. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS AND SURVEYS AS SHOWN ON THIS PLAN.

LEGEND

- (1) NEW
- (2) EXISTING
- (TYP) TYPICAL
- EXISTING TO REMAIN
- NEW
- EXISTING TO BE REMOVED
- (NO) CONCRETE SLAB
- ▽ MOUNTAIN IN FIELD
- ▭ SMOKE
- WATER METER
- PROPERTY LINE
- TO REMAIN
- TO BE REMOVED
- NEW
- X- OILY LAKE FENCE

KEY NOTES

1. SEE SHEET 1.1 FOR GENERAL NOTES.
2. SEE SHEET 1.2 FOR GENERAL NOTES.
3. SEE SHEET 1.3 FOR GENERAL NOTES.
4. SEE SHEET 1.4 FOR GENERAL NOTES.
5. SEE SHEET 1.5 FOR GENERAL NOTES.
6. SEE SHEET 1.6 FOR GENERAL NOTES.
7. SEE SHEET 1.7 FOR GENERAL NOTES.
8. SEE SHEET 1.8 FOR GENERAL NOTES.
9. SEE SHEET 1.9 FOR GENERAL NOTES.
10. SEE SHEET 1.10 FOR GENERAL NOTES.
11. SEE SHEET 1.11 FOR GENERAL NOTES.
12. SEE SHEET 1.12 FOR GENERAL NOTES.
13. SEE SHEET 1.13 FOR GENERAL NOTES.
14. SEE SHEET 1.14 FOR GENERAL NOTES.
15. SEE SHEET 1.15 FOR GENERAL NOTES.
16. SEE SHEET 1.16 FOR GENERAL NOTES.
17. SEE SHEET 1.17 FOR GENERAL NOTES.
18. SEE SHEET 1.18 FOR GENERAL NOTES.
19. SEE SHEET 1.19 FOR GENERAL NOTES.
20. SEE SHEET 1.20 FOR GENERAL NOTES.

SITE PLAN

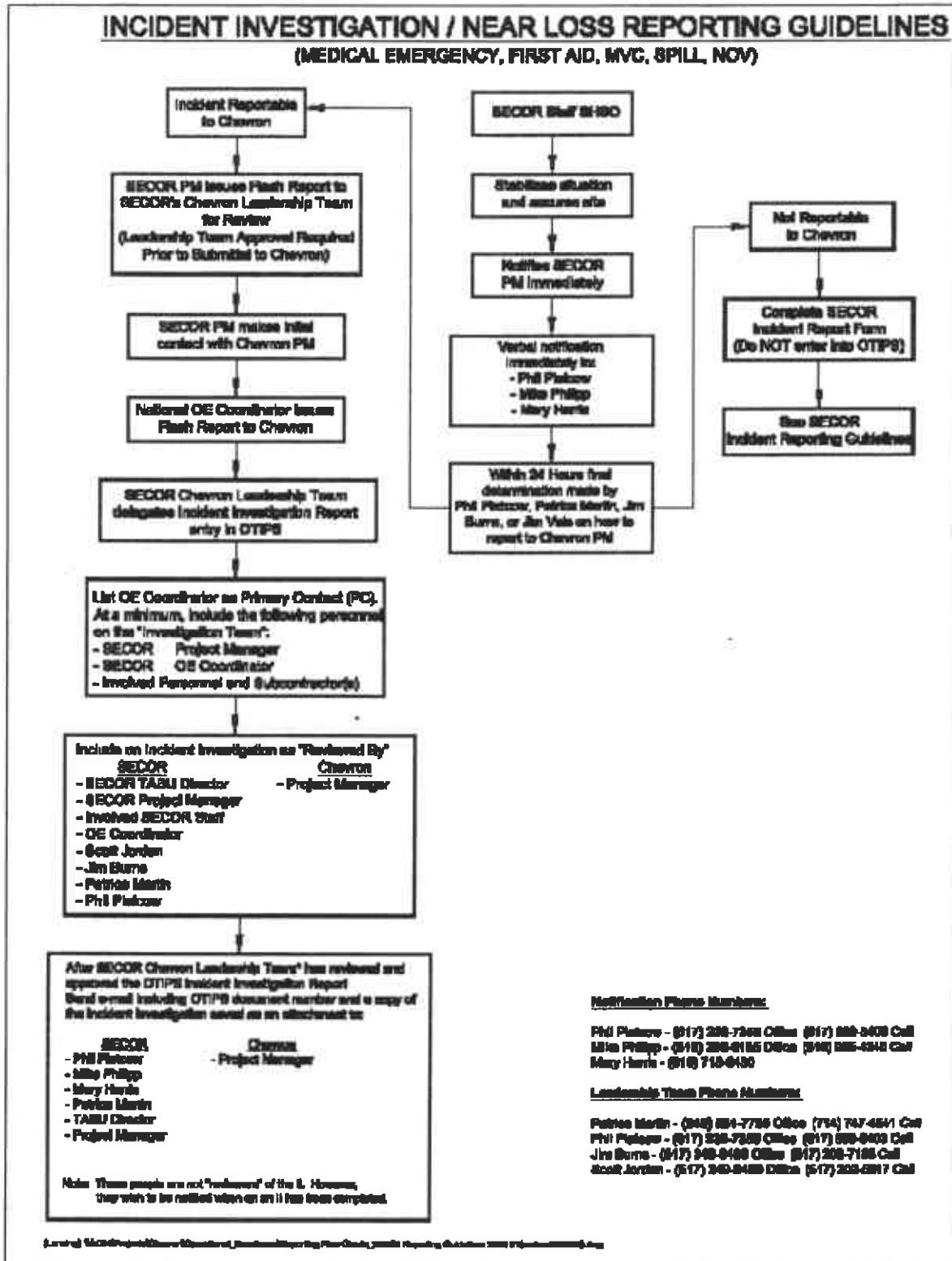
889 9-980
4800 PACIFIC BLVD
OAKLAND, CALIFORNIA



PROJECT NO.	DATE	BY	CHECKED
889 9-980	10/10/00	J. J. JONES	M. M. M. M.
DESCRIPTION	SCALE	SHEET NO.	TOTAL SHEETS
4800 PACIFIC BLVD	AS SHOWN	A-1	1

ATTACHMENT 3
INCIDENT REPORTING PROCEDURES

**ATTACHMENT 3a
INCIDENT INVESTIGATION FLOWCHART**



ATTACHMENT 3b



Incident Investigation / Near-Loss Investigation Report

Consider using the Root Cause Analysis PROACTIVELY to avoid incidents and near misses.

INCIDENT TYPE (To be filled in by Human Resources Department)			Date of Incident:
<input type="checkbox"/> Fatality	<input type="checkbox"/> Industrial Non-Recordable	<input type="checkbox"/> Spill/Leak	<input type="checkbox"/> General Liability
<input type="checkbox"/> Lost Workday	<input type="checkbox"/> Non-Industrial	<input type="checkbox"/> Product Integrity	<input type="checkbox"/> Criminal Activity
<input type="checkbox"/> LW Restricted Duty	<input type="checkbox"/> Off-the-Job Injury	<input type="checkbox"/> Equipment	<input type="checkbox"/> Notice of Violation
<input type="checkbox"/> OSHA Medical or Illness w/o LW	<input type="checkbox"/> MVA	<input type="checkbox"/> Business Interruption	<input type="checkbox"/> Near Miss
<input type="checkbox"/> First Aid	<input type="checkbox"/> Fire		

The SECOR Project Manager, Human Resources and Corporate Health & Safety must be informed immediately after stabilizing the victim(s)/site as the result of an incident or near miss. The investigation of the incident or near miss by the employee's supervisor or Site Health and Safety Officer must also begin immediately. This report must be completed as soon as possible, in most cases within the week of the incident. It must be reviewed and signed by the Principal and e-mailed or faxed to the Vice President of Human Resources, and Corporate Health and Safety (numbers at end), even if employee is not available to review and sign. Employee or employee's doctor must submit a copy of the doctor's report to Human Resources within 24 hours of the initial exam and any subsequent exams. Contact information at end of report.

EMPLOYER (Include sub-contractors, or other employers on our sites)

Company Name: _____

Work Location Address where incident occurred: _____ Project Name: _____

EMPLOYEE

Name: _____

Employment Status: Full-Time Part-Time Hourly-As-Needed How long in present job? _____

INJURY OR ILLNESS INFO

Where did incident / near miss occur? (number, street, city, state, zip): _____

County: _____ On Employer's premises? Yes No

Specific activity the employee was engaged in when the incident / near miss occurred: _____

All equipment, materials, or chemicals the employee was using when the incident / near miss occurred (e.g., the machine employee struck against or which struck employee; the vapor inhaled or material swallowed; what the employee was lifting, pulling, etc.): _____

Describe the specific injury or illness (e.g., cut, strain, fracture, skin rash, etc.): _____

Body part(s) affected (e.g., back, left wrist, right eye, etc.): _____

Name and address of Health Care Provider (e.g., physician or clinic): _____ Phone No.: _____

If hospitalized, name and address of hospital: _____ Phone No.: _____

Date of injury or onset of illness(MM/DD/YYYY) / / _____ Time of event or exposure: AM PM

Time employee began work: AM PM Did employee lose at least one full shift's work?
 No Yes, 1st date absent (MM/DD/YYYY) / / _____

Has employee returned to work? Regular work Restricted work No, still off work Yes, date returned (MM/DD/YYYY) / / _____

Did employee die? No Yes, date (MM/DD/YYYY) / / _____

Date employer notified of incident / near miss: (MM/DD/YYYY) / / _____

To whom reported:					
Other workers injured/made ill in this event? <input type="checkbox"/> Yes <input type="checkbox"/> No					
Description of Incident / Near Miss: (Describe fully the incident / near miss events. Tell exactly what happened and how it happened so that someone could recreate the incident or near miss. Use extra paper if you need.)					
Weather (Fog, rain, ice, sunshine, windy, extreme temperatures – report in degrees F or C)					
Motor Vehicle Accident (MVA) - You may also have to fill out an insurance form-Call Corporate Contracts Dept. (425) 372-1600		Professional Driver? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Total Years Driving:	Company Vehicle? <input type="checkbox"/> Yes <input type="checkbox"/> No	Operation Type:	Accident Situation:		
Truck Transportation:	Years with Carrier:	Vehicle Type:	Equipment #:		
Accident Location (street, city, state):					
Hazardous Material? <input type="checkbox"/> Yes <input type="checkbox"/> No	Reportable? <input type="checkbox"/> Yes <input type="checkbox"/> No	No. of Vehicles Towed	No. of Injuries: No. of Fatalities:		
Spill/Leak/Product Quality					
Product Name	Quantity	Product 2 Name	Quantity		
Product 3 Name	Quantity				
Agency Notifications					
Estimated Cost of Incident		\$			
Third Party Incidents					
Name of Owner	Address	Telephone			
Description of Damage:					
Witness Name	Address	Telephone			
Witness Name	Address	Telephone			
# Root Cause and Contributing Factors: Conclusion (Describe in Detail Why Incident / Near Miss Occurred)					
1					
2					
3					
4					
Root Cause(s) Analysis (RCA) - Use proactively to avoid incidents and Near Misses.					
1) Deficiency in task related ability or knowledge.		5) Proper execution requires increased time or effort.			
2) Deficiency in Standard Operating Procedures or Job Safety Analysis		6) Improper procedures and performance is accepted and allowed.			
3) Deficiency in the transference of information concerning the Standard Operating Procedures or Job Safety Analysis steps.		7) Previous improper performance of a task did not result in adverse results.			
4) Deficiency or lack of the proper tools or equipment.		8) Beyond the control of the Supervisor/worker(s).			
#	RCA #	Solution(s): How to Prevent Incident / Near Miss From Reoccurring	Person Responsible	Due Date	Closure Date
Investigation Team Members					
Name		Job Title	Date		

Results of Solution Verification and Validation - after implementing solutions to make sure they work.

Reviewed By

Name	Job Title	Date
------	-----------	------

Acknowledgment Signatures for Injuries/Illnesses

Title	Signature	Date
Director of HR: Marguerite Shuffelton		
Director of IH/H&S: Philip Platcow		
NAM:		
Regional Managers:		
Frank Aceto		
Oren Gottlieb		
Jim Grasty		
Russ Hamblin		
Sr. Vice President: David Childs		
Chief Executive Officer: Jim Vais		

Contact information.

Call Human Resources and Corporate H&S Immediately.

HR: Mary Harris Phone: 619-718-9429, Fax: 619-296-2006, E-Mail: mharris@secor.com. After hours or weekends, please call Marguerite Shuffelton Cell: 619-925-8365 or Home 760-749-9603.

Health & Safety: Call Philip Platcow and Michael Philipp
 Philip Platcow: 617-232-7355; fax 801-340-8657 Email: pplatcow@secor.com. After hours or weekends, cell: 617-899-5403 or Home 617-739-1224
 and Mike Philipp 619-296-6195; fax 619-296-6199 Email: mphilipp@secor.com. After hours or weekends, cell: (619) 985-4340

Fax report to all three.

PROACTIVE
incident prevention

PPE

Plan
Prevent
Execute

SELECT THE RIGHT PEOPLE

- Choose qualified people for the task
- Assess the safety level of workers and experience
- Assign PPE tasks
- Encourage workers to report safety observations

MOTIVATE PEOPLE WITH RESOURCES

- Provide training and resources for the task
- Provide adequate resources and equipment
- Provide adequate equipment and resources
- Provide adequate training and resources
- Provide adequate training and resources
- Provide adequate training and resources

DO THE TASK RIGHT

- Follow job safety analysis
- Perform correct job procedure
- Monitor quality of work
- Communicate with others
- Ask for help if needed

ALWAYS PERFORM PPE ASSESSMENTS BEFORE MOVING FORWARD

CONDUCT SAFE REVIEWS FREQUENTLY

- Conduct safe reviews
- Conduct safe reviews
- Conduct safe reviews

Phil Bellows, CH
Denver, CO
800.368.1111
phil@ppe.com

Pat Wilson, CH
Houston, TX
800.368.1111
pat@ppe.com

Mike Phipps
Houston, TX
800.368.1111
mike@ppe.com

Walter Gray
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800.368.1111
walter@ppe.com

David Gierman
Houston, TX
800.368.1111
david@ppe.com

BRECO
Houston, TX
800.368.1111
breco@ppe.com

PLAN for quality
of work and life

- Choose the right people for the job
- Define the quality objectives of the work
- Monitor and control quality
- Monitor and control quality
- Monitor and control quality
- Monitor and control quality
- Monitor and control quality
- Monitor and control quality

PREVENT
incidents of all types

- Prevent incidents of all types
- Prevent incidents of all types
- Prevent incidents of all types
- Prevent incidents of all types
- Prevent incidents of all types
- Prevent incidents of all types
- Prevent incidents of all types
- Prevent incidents of all types

EXECUTE
your plan

- Execute your plan
- Execute your plan
- Execute your plan
- Execute your plan
- Execute your plan
- Execute your plan
- Execute your plan
- Execute your plan

ATTACHMENT 4
CHECKLISTS

ATTACHMENT 4a FIELD WORK CHECKLIST

Check	Item	Notes
	Signed SSE forms	
	Site-Specific HASP	
	JMPs	Includes blank vehicle inspection checklist (fill out daily)
	JSA's	Hand write & initial daily updates
	EMC On-Site Inspection Form	See attached, be prepared for visit
	EMC End-Of-Job Evaluation Form	See attached, be prepared for evaluation
	Safety Cards	
	MCBU 2005 Contractor Training Card	
	CVX SPSA Card (tri-fold card)	
	SECOR PPE Card (3.5" x 5" size)	
	8-hour OSHA Refresher Certificate	
	LPS Training card certificate	
	CPR Card	
	First-Aid Card	
	CVX 10 Tenets/Stop Work Card	
	H2S Training Certification	Should be in HASP
	H2S Monitor, Calibration Gas & Regulator	TWO per crew
	Blank Safety Meeting Forms	Complete 2 daily, one in AM one after lunch
	Blank LPO, NLI, JSA forms	Should be in HASP, perform (1) daily per employee
	Personal Health and Safety Bag	See attached
	Vehicle Collision Kit	See attached
	Site Keys	Well, Shed, Gate
	Contact Phone Numbers	Property Owners, Lab, Client, Regulatory, SECOR/EMC PM
	Cell Phone and Charger	
	Sampling Supplies	
	Sampling Plan	
	Sample Bottles	
	Coolers	
	Labels/Sharpees	
	COCs	
	Fed-Ex Slips	
	Analytical Probes with calibration solutions	
	Batteries/Chargers	
	DI Water	
	Alconox	
	Paper Towels	
	Spray Bottles	
	Sampling Sheets	
	Field Notebook	
	Pump/Tubing	
	O&M Supplies	
	Work Plan	
	Field Data Sheets	
	Hand Held Tools	
	LOTO	
	PID/FID, calibration gases & regulators	
	Transfer Pump/Tanks/Tubing	

ATTACHMENT 4b PPE BAG CHECKLIST
PERSONAL HEALTH & SAFETY BAG

NOMENCLATURE	DESCRIPTION	MINIMUM # IN BAG
HARD HAT	ANSI Z89.1 - 1997	1
SAFETY GLASSES	ANSI Z87 -1989 W/SIDE SHIELDS (CLEAR OR TINTED)	2
REFLECTIVE VEST	FLOURESCENT ORANGE OR GREEN WITH REFLECTIVE VERTICAL STRIPES	1
EAR PLUGS	ANSI S3.19 - 1974 SPONGE TYPE (NRR-33)	5
FIRE EXTINGUISHER*	NFPA, DOT, ANZI, OSHA	1
FIRST AID KIT	2 PERSON CAPACITY	1
FACE SHIELD / MOUTH TO MOUTH CPR BARRIER	ONE WAY VALVE W/PLASTIC SHEET TO PREVENT ASPIRATION CONTACT	1
BBP KIT	CONTAINS BIOWASTE BAG, ALCOHOL WIPES, SURGICAL GLOVES, PAPER MASK	1
EYEWASH		1
GREEN SOLVEX GLOVES		10
NITRILE GLOVES		10
WORK GLOVES		2
RESPIRATOR	NORTH FULL FACE 76008A (MEDIUM/LARGE)OR 76008AS (SMALL)	1
ORGANIC VAPOR/P-100 CARTRIDGES	FUSCIA COLORED TOP WITH YELLOW STRIPE	4
STEEL TOE / PUNCTURE RESISTANT SOLE BOOTS	ANSI Z41	1
TYVEKS		1
DUCT TAPE		1
TRASH BAGS		2
ANTIBACTERIAL WIPES		10
DISPOSABLE CAMERA		1
BENADRYL TABLETS / TECNU PACKETS (POSION IVY)		5
MISCELLANEOUS	FIELD NOTEBOOK / SCISSORS / PENS / SHARPIES / ZIP TIES / SNAKE CHAPS (as necessary)	
IT IS RECOMMENDED THAT YOU HAVE A AT LEAST A DAYS WORTH CLEAN CLOTHING		
SHADED ITEMS SHOULD BE LOCATED IN VEHICLE AT ALL TIMES * FIRE EXTINGUISHERS CANNOT BE CARRIED ON A PLANE		
COPY OF SITE SPECIFIC HASP SHOULD BE IN VEHICLE AT ALL TIMES		

**ATTACHMENT 4c ON-SITE INSPECTION CHECKLIST
EMC CSP On-Site Inspection Form**

Contractor Company Name:

Contractor Supervisor On-Site:

Location:

Date:

EMC Representative Performing Inspection:

Yes	No	N/A	Personal Protective Equipment
-----	----	-----	--------------------------------------

<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1. Is appropriate eye wear worn (goggles, tinted/non-tinted, face shield)
			2. Are hard hats worn?
			3. Are gloves worn when appropriate (rigging, cutting)?
			4. Is respiratory equipment used where required?
			5. Is PFD worn when required?
			6. Are shoes with heels worn?
			7. Is hearing protection worn in areas required by JSA or signs?
			8. Is proper PPE protection required in JSA for task?

Yes	No	N/A	General Work Site/Location
-----	----	-----	-----------------------------------

			1. Is scrap and debris stored properly and removed from the work area?
			2. Are emergency access and egress routes identified, clear and unobstructed?
			3. Are work areas orderly and clear of tripping hazards?
			4. Are the proper tools being used to perform task?
			5. Are tools and equipment in work area in good condition?
			6. Are rotating and moving parts on machinery adequately guarded?
			7. Is adequate number of fixed/portable fire extinguishers on location?
			8. Is there proper lifting equipment for lifting objects over 75 pounds?
			9. Are pressure hoses properly protected, stored and inspected prior use?

Yes No N/A **HES Management System**

Yes	No	N/A	
			1. Are daily safety meetings (tail gate) being conducted and documented?
			2. Are pre-job safety meetings being performed and documented?
			3. Are emergency drills being performed?
			4. Is the site/location equipped with a first aid station?
			5. Are employees aware of EMC's Stop Work Authority Policy?
			6. Do employees know what Stop Work Authority and OE Tenets mean?
			7. Have employees used the Stop Work Authority at location?
			8. Is a person trained in First Aid/CPR on site/location at all times?

Yes No N/A **Fall Protection**

Yes	No	N/A	
			1. Does work require fall protection (work at 6' or more)?
			2. Is fall protection equipment in good condition and inspected?
			3. Is equipment worn properly?
			4. Is worker tied-off properly with appropriate anchor?
			5. Has a potential rescue plan been documented in JSA?
			6. Is proper rescue equipment on hand?
			7. Are workers familiar with 15-minute rule and why (can not hang suspended for more than 15 minutes)?

Yes No N/A **Short Service Employees (SSE's)**

Yes	No	N/A	
			1. Are SSEs identified and have approved EMC SSE Forms with them?
			2. Is crew size and number of SSEs consistent with EMC Policy?
			0 SSE on a 1 person crew?
			1 SSE on a 2-4 person crew?
			20% SSE on a 5 or more crew?
			3. If crew mix out of SSE Policy does location have an approved Variance?
			4. Does the SSE have a mentor assigned?
			5. Does mentor know he/she is assigned to the SSE and their mentor responsibilities?
			6. Is only one SSE assigned to each mentor?
			7. Is mentor on location with SSE?

Yes	No	N/A	Behavior Based Safety Process
			1. Are workers using a BBS Program or LPS?
			2. Are field observations being performed?
			3. Is feedback given after observation?
			4. Are observation forms filled out correctly?
			5. Are the forms reviewed by the observee's supervisor?
			6. Are the workers informed of any trends?
			7. Are observation cards available for use?
			8. Do workers carry observation cards with them?
			9. Do workers correct unsafe conditions or behaviors immediately?
			10. Are observations completed correctly and thoroughly?

Yes	No	N/A	Job Safety Analysis
			1. Was a JSA generated and filled out prior to the work?
			2. Is JSA documented and located at work site/location?
			3. Was the JSA updated or a new JSA filled out when a change occurred (weather, people, work tasks)?
			4. Were steps in the JSA written out (not pre-filled in) to perform the job?
			5. Were hazards identified in the JSA and are employees aware of them?
			6. Are workers following the steps written out in the JSA?
			7. Was protecting the environment considered in the JSA?

Yes	No	N/A	Hot Work Operations
			1. Are personnel performing hot work trained and authorized?
			2. Are welder's certifications available for review at the work locations?
			3. Are gas cylinders properly stored?
			4. Are protector caps on cylinders not in use?
			5. Are fire extinguishers inspected prior to use in hot work operations?

Yes	No	N/A	Crane Use / Rigging
			1. Is crane being use on site?
			2. Do all riggers have rigger certification on site?
			3. Are tag lines used properly?
			4. Are loads pre-slung?
			5. Are gloves worn as appropriate?
			6. Are weather condition suitable for rigging?

Yes	No	N/A	Confined Space Operations	
				1. Are confined space entry operations being performed on location?
				2. Is the space adequately cleaned prior to entry operations?
				3. Is space adequately ventilated prior to entry?
				4. Has an entry permit been obtained from a EMC representative?
				5. Are personnel involved in entry operations trained to perform the task?
				6. Has a rescue plan been developed and implemented?
				7. Are rescue personnel onsite, trained & drilled in accordance with OSHA?

Yes	No	N/A	Lockout/Tagout	
				1. Are lockout devices for insulating energy sources available at the site?
				2. Are locks singularly identified and only utilized for the Lockout purposes?
				3. Do tags utilized identify employee, purpose, date & time applied?
				4. Are tags securely attached?
				5. Is a Lockout/Tagout log sheet available and used at the location?
				6. Are employees trained on the company's Lockout/Tagout program?

Return to EMC HES Manager

Contractor Safety Program EMC End-of-Job Evaluation Form

EMC END-OF-JOB EVALUATION FORM

Site/Location/Project:

Contractor Company Name:

EMC Rep(s):

Contractors Rep(s):

Was this form reviewed with Contractor : Y N

Review Date:

YES	NO	N/A	
			PRE-JOB PLANNING
			1. Did Contractor's employee(s) performing the work do JSA's prior to starting the job (crews knowledgeable, actively perform JSA, communication with EMC good, etc.)?
			2. Did the Contractor's JSA process identify job steps?
			3. Did the Contractor's JSA adequately identify job safety and environmental hazards?
			4. Was a Site Specific Occupational Health and Safety Plan generated for the site?
			5. Was a Site Specific Orientation given to visitors or incidental personnel coming onto the site prior to that person's exposure to the site?
			BEHAVIOR BASED SAFETY
			1. Was there a behavior based safety observation and feedback process in place?
			2. Were observations completed correctly and thoroughly?
			3. Were observations reviewed with field team and supervisors?
			4. Were observations reviewed for trends?
			NEAR MISS/LOSS & INCIDENT REPORTING AND INVESTIGATION
			1. Were near misses/losses reported and incorporated into EMC Log?
			2. Were all first aids reported?
			3. Did Contractor follow the EMC II&RP guidelines for reporting?
			4. Does Contractor utilize a Root Cause Analysis (RCA) process for near miss/loss and incident investigations?
			5. Did Contractor review findings and action plan generated from RCA with field team?
			TRAINING
			1. Did Contractor's employee(s) have required training certification located on site? - Skill Based Certification; Welder, Rigger, Crane Operator, etc. - Regulatory Based Training; H ₂ S, BOP, T2, NORM, confined space entry, HAZCOM, etc.
			2. Were Contractor's employee(s) knowable of EMC Tenets?
			3. Were Contractor's employee(s) trained/drilled in site specific emergency procedures and plans?
			4. Were adequate emergency drills performed at site?
			5. Did Contractor's employee(s) know locations of MSDS book on site?

YES NO N/A PERSONAL PROTECTIVE EQUIPMENT (PPE)

		1. Did Contractor ensure PPE was available and worn at work site?
		1. Did contractor have a permit to work (PTW) system?
		1. Was contractor using the correct PPE for the job?
	NO	
		1. Did the contractor follow LOCKOUT/TAGOUT procedure on electrical equipment, rotating equipment or pressure equipment?
		2. Did the contractor follow Fall Protection Guidelines?
		3. Did the contractor follow Excavation Guidelines?
		4. Did the contractor follow Confined Space Guidelines?
		1. Did the contractor follow HSEMS if applicable?
		1. Did contractor have safety meetings & review JSA with all crews prior to each job or significant scope change?
		2. Did contractor conduct regular onsite safety meetings with all employees (daily, tail gate, each tour)?
		1. Were all employees wearing safety glasses at all times?
		1. Was EMC's SSE Policy followed?
		2. Was visible effective monitoring of SSE implemented?
		1. Was worksite left clean and usable after job was completed?
		1. Were waste minimization procedures used?
		2. Were waste shipping papers (manifests, bills of lading) properly prepared and signed by an EMC representative or formally authorized representative?
		3. Were wastes properly labeled and accumulated while on site?
		4. Were proper shipping records maintained (manifests, bills of lading, weigh tickets, etc.)?

10/21/06

ATTACHMENT 4e DRILL RIG CHECKLIST

ITEMS TO CHECK	OK	ACTION NEEDED
Kill switches installed by the manufacturer are in operable condition and all workers at the drill site are familiar with their location and how to activate them?	✓	
Test all kill switches to ensure they work.	✓	
Kill switches are accessible to workers on both sides of the rotating stem? NOTE: <u>Optional</u> based on location and number of switches provided by the manufacturer.	✓	
Cables on drill rig are free of kinks, frayed wires, bird cages and worn or missing sections?	✓	
Cables are terminated at the working end with a proper eye splice, either swaged Coupling or using cable clamps?	✓	
Cable clamps are installed with the saddle on the live or load side? Clamps should not be alternated and should be of the correct size and number for the cable size to which it is installed. Clamps are complete with minimum ?	✓	
Hooks installed on hoist cables are the safety type with a functional latch to prevent accidental separation?	✓	
Safety latches are functional and completely span the entire throat of the hook and have positive action to close the throat except when manually displaced for connecting or disconnecting a load?	✓	
Drive shafts, belts, chain drives and universal joints, etc. shall be guarded to prevent accidental insertion of hands and fingers or tools.	✓ POWER P20075	
Outriggers shall be extended prior to and whenever the boom is raised off its cradle. Hydraulic outriggers must maintain pressure to continuously support and stabilize the drill rig even while unattended.	✓	
Outriggers shall be properly supported on the ground surface to prevent setting into the soil.	✓	
Controls are properly labeled and have freedom of movement? Controls should not be blocked or locked in an action position. If controls are not legible, use a Sharpie or equivalent to label each control.	✓	
Safeties on any device shall not be bypassed or neutralized.	✓	
Controls shall be operated smoothly and cables and lifting devices shall not be jerked or operated erratically to overcome resistance.	✓	

ITEMS TO CHECK	OK	ACTION NEEDED
Slings, chokers and lifting devices are inspected before using and are in proper working order? Damaged units are removed from service and are property tagged?	✓	
Shackles and clevises are in proper working order and pins and screws are fully inserted before placing under a load?	✓	
High pressure hoses have a safety (chain, cable or strap) at each end of the Hose section to prevent whipping in the event of a failure?	✗	NOT SERVED ON AIR LIFT RIG
Rotating parts of the drill string shall be free of sharp projections or hooks which could entrap clothing or foreign objects?	✓	
Wire ropes should not be allowed to bend around sharp edges without cushion material.	✓	
The exclusion zone is centered over the borehole and the radius is equal or greater than the boom height?	✓	
The work area around the borehole shall be kept clear of trip hazards and walking surfaces should be free of slippery material.	✓	
Workers shall not proceed higher than the drilling deck without a fall restraining device and must attach the device in a manner to restrict fall to less than 6 feet.	✓	
A fire extinguisher of appropriate size shall be immediately available to the drill crew. The drill crew shall have received annual training on proper use of the fire extinguisher.	✓	
29 CFR 1910.333 (3) Except where electrical distribution and transmission lines have been de-energized and visibly grounded, drill rigs will be operated proximate to, under, by, or near power lines only in accordance with the following: .333 (3) (ii) 50KV or less – minimum clearance is 10 ft. For 50 KV or over, add 0.4 inches for every KV over 50 KV. If voltage is unknown, maintain at least 20 feet clearance.	✓	
29 CFR 1910.333 (3) (iii) While the rig is in transit with the boom in the down position, clearance from energized power lines will be maintained as follows: Less than 50 KV – 4 feet 50 thru 365 KV – 10 feet 365 thru 720 KV – 16 feet	✓	

ATTACHMENT 4f SUPPORT VEHICLE / AIR KNIFE CHECKLIST

DRAFT
SECOR International

Scheduled Field

Safety Inspection Checklist for Drilling Subcontractors -Support Vehicle/Air Knife Rig

Date(s):

10/2 → 10/3/06

Subcontractor:

GRIEGL

Project Site Number:

Project Location:

OKLAHOMA

Scope of Work:

CLEAR (9) RINGS

Equipment Make & Model:

VAC-TRUCK
400 - H/VAC

SECOR Contact:

	Yes	No	Comments
Vehicle Inspection			
<i>(To be performed by drilling subcontractor prior to drilling equipment arriving onsite).</i>			
1. Are headlight, taillights, brake lights, hazard warning lights, and turn signals operating and in good condition?	✓		<u>NEW VEHICLE</u>
2. Are horns and reverse alarms operating and distinguishable from surrounding noises?	✓		
3. Are the instrument panel lights in working order?	✓		
4. Are vehicle brakes in good operating condition?	✓		
5. Is the parking brake engaging and releasing?	✓		
6. Is the windshield in good condition and clear of obstructions?	✓		
7. Are windshield wipers in proper operating condition?	✓		
8. All mirrors are functional and positioned in a way that is comfortable to view your surroundings?	✓		
9. Are the fluids at recommended height? (power steering fluid, brake fluid, oil, transmission fluid, windshield wiper fluid, and radiator fluid?	✓		
Are there any stains underneath the vehicle that appear to be from a leaking hose, oil pan, power steering box, engine block, and etc.?	✓		
11. Are the tires in good condition, meet specifications, and have the proper tire pressure, including the spare?	✓		
12. Are all wheel lug nuts secure?	✓		
Trailer			
<i>(To be performed by drilling subcontractor prior to drilling equipment arriving onsite).</i>			
1. Are taillights, brake lights, hazard warning lights, and turn signals operating and in good condition?	✓		
2. Are trailer brakes in good operating condition?	✓		
3. Are the tires in good condition, meet specifications, and have the proper tire pressure, including the spare?	✓		
4. Are all wheel lug nuts secure?	✓		
5. Are the wheel bearings properly greased and in good working condition?	✓		
6. Is everything properly secured and within DOT guidelines?	✓		
Air Knifing (optional)			
<i>(To be performed by drilling subcontractor prior to drilling equipment arriving onsite).</i>			
1. Do all the hoses (hydraulic, air, fuel lines, and etc) appear to be in good working condition and no leaks were observed?	✓		
2. Is the fuel tank(s) located so that spills or overflows will not come in contact with engine or exhaust?	✓		
3. Are belts, gears, shafts, electrical contacts, ect., adequately guarded?	✓		
4. Are warning devices such as oil, air, temperature and vacuum gauges in proper working order?	✓		
5. Is the compressor in proper working condition (does not sputter, backfire or chug during operation)?	✓		

6.	Are operating levers equipped with latch or other devices to prevent accidental starting?	/	
7.	Has the vacuum tank been steam cleaned and rinsed properly.	/	CLEANED OUT AFTER H2O RINSE

Note: Before the subcontractor's drilling equipment arrives on any SECOR International site it will be inspected and tested by the driller or the driller's helper to verify the drilling equipment is in good operating condition to perform the scheduled scope of work. This inspection checklist is to be completed at the subcontractor's shop the evening before or the morning of the first scheduled work day or whenever there is a rig change onsite. This inspection will be signed by the person who performed the inspection and brought to the site for SECOR personnel to review and sign.

(To be performed by SECOR Site Supervisor).

1. Was the following information filled out properly when the subcontractor arrived to the site?

Check lists & maintenance OK
John M... Associate Geologist

ATTACHMENT 4g UNDERGROUND UTILITIES CHECKLISTS
PRE-DRILLING/EXCAVATION CHECKLIST AND UTILITY CLEARANCE LOG

PROJECT:	Chevron Gas Plant		
LOCATION:	9-3415	DATE:	10/3/06
UTILITY LOCATOR:	USA	UTILITY LOCATOR PHONE #:	1-800
DATE OF LOCATOR REQUEST:	10/2	LOCATOR CALL REFERENCE #:	*290762

Instructions. This checklist is to be completed by SECOR personnel prior to initiation of field activities as a safety measure to insure that all underground utility lines, other underground structures and above-ground power lines are clearly marked in the area selected for boring or excavation. **DRILLING OR EXCAVATION WORK MAY NOT PROCEED UNTIL** USA (fill in the name of the utility service) **HAS BEEN CONTACTED AND THIS CHECKLIST HAS BEEN COMPLETED. IF ANY OF THE QUESTIONS ANSWERED BELOW ARE ANSWERED "NO", THEN PROJECT MANAGER MUST BE CONTACTED AND CONCERNS/ISSUES DISCUSSED.** Document the reason for a "NO" answer on the back of this form.

Type of Utilities and Structures	Not Present	Present	How Marked (Flags, paint on pavement, wooden stakes, etc.)
Petroleum product line		<input checked="" type="checkbox"/>	TRENCH
GAS		<input checked="" type="checkbox"/>	VISUAL - PAINT
ELECTRIC		<input checked="" type="checkbox"/>	RED
H2O		<input checked="" type="checkbox"/>	BLACK
TELEPHONE		<input checked="" type="checkbox"/>	SEC - ORANGE
*290762 USA TICKET			374-06
*358023	"	"	10-206
Septic tank/drain field			
Other			

YES	NO	PRE-MOBILIZATION
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is a scaled site plan, map or drawing showing the proposed borehole locations attached to this form?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Does each borehole location allow for clear entry and exit, adequate workspace, and a clear path for raising the mast and operating the drill rig and all support equipment? Ensure 20 feet of clearance distance between the mast and electrical lines (SECOR H&S Policy and 29 CFR 1926.550). Check with the power utility company.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are all of the proposed borehole locations and associated areas of pavement cutting at least 10 feet from any subsurface or above-ground utilities shown on client's building plans? SECOR PM check here <input checked="" type="checkbox"/> if plans not provided by client (therefore not applicable to this job).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are all of the proposed borehole locations and associated areas of pavement cutting at least 10 feet from any subsurface or above-ground utilities shown on public right-of-way street improvement or other public property plan or site map? PM check here <input type="checkbox"/> if not applicable to this job.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Has the Site Representative, familiar with the site, such as a construction manager, indicated no knowledge of any subsurface or above-ground utilities within 10 feet of the proposed borehole locations? Is the Site Representative qualified to make such a determination?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are all of the proposed borehole locations and associated areas of pavement cutting at least 10 feet from any subsurface utilities identified during a geophysical survey? Applicable: Yes / No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Have all Utility Locating Service providers notified by the public line locator marked out their facilities in the vicinity of the borehole locations or otherwise notified us that they do not have any facilities near the proposed borehole locations?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are all proposed borehole locations and associated areas of pavement cutting at least 10 feet from a visual line connecting two similar looking manhole covers?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are all proposed borehole locations and associated areas of pavement cutting at least 10 feet from a visual line perpendicular to the street from the water, gas, and electrical meters?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are all proposed boring locations and associated areas of pavement cutting clear of pavement joints, curbs, crash posts, or other engineered structures?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Does the pavement lack signs of previous excavation (e.g. no pavement subsidence, no differences in pavement texture or relief, no pavement patching)? If there are signs, determine the purpose of the previous excavation and act accordingly.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Before drilling have you hand dug/used a water jet VacTron unit/tile probe/etc., to dig a hole 10 feet below grade if possible, and is the diameter of the hole greater than the outer diameter of the drilling auger?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Does the soil you encountered in the hand-dug hole appear to be native material (i.e. free of clean gravel, clean sand, aggregate base [gravelly sand with ~10% fines], or other non-native looking material)?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Have you made sure that you have identified all the expected utilities or have made sure that you can explain any missing utilities?

Have the above concerns been discussed with the SECOR Project Manager? Yes / No
 Have the above concerns been discussed with the client? Yes / No
 Have you made a reasonable effort to resolve the above issues? Yes / No

Approval to proceed provided by: Client Representative Name _____
 Approval to proceed provided by: SECOR Representative Name _____
 SECOR Field Technician Name: _____

Title and Date: _____
 Title and Date: _____
 Title and Date: _____

ATTACHMENT 4h SUBSURFACE CLEARANCE HECKLISTS

See Next Page for Checklist

See App. CoE Report

ATTACHMENT 5
MONITORING

P&A-760

ATTACHMENT 5a
EQUIPMENT CALIBRATION/CHECK LOG

DATE	INSTRUMENT/ MODEL NO.	SERIAL NO.	BATTERY CHECK OK?	ZERO ADJUST OK?	CALIBRATION GAS (PPM)	READING (PPM)	LEAK CHECK	PERFORMED BY	COMMENTS
10/2	MIRA	B500	OK	OK	HEXANE	96.0	OK	JM	
10/3	2000	"	OK	OK	"	54.5	"	AVSW	
10/4	MIRA 2000	"	OK	OK	"	99.5	"	AVSW	

* Submit copies of logs to Director of Industrial Hygiene & Health and Safety, Philip A. Platcow, CIH within 24 hours, if a PEL is exceeded, or personal protective equipment level is upgraded at (617) 232-7355 or via email at pplatcow@secor.com

**ATTACHMENT 5b
MONITORING LOG**

Instrument(s) Used: Make: Mini Rate 2000

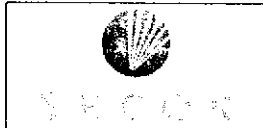
Model: PAM-7600

DATE	TIME	LOCATION/SOURCE (Personal/Area Sampling)	WORK ACTIVITY DURING SAMPLING (Be specific)	Measurement (Units)	WHAT DID YOU DO BECAUSE OF THE RESULT? (PPE Change/Activity Change/Nothing Needed)	SAMPLED BY
10/4	9:30	BA-10	HAND AUGER	0.0	NO ODOUR	JM R
10/4	12:30	BA-9	HAND AUGER	0.0	NO ODOUR	AVSW
10/4	15:30	BA-8	LAR. RIG/RIG	0.0	" "	JM
10/5	7:45	BA-6	LAR. RIG/RIG	0.0	" "	JM
10/5	9:00	BA-1	LAR. RIG/RIG	0.0	" "	JM

* Submit copies of logs to Director of Industrial Hygiene & Health and Safety, Philip A. Platcow, CIH within 24 hours, if a PEL is exceeded, or personal protective equipment level is upgraded at (617) 232-7355 or via email at pplatcow@secor.com

ATTACHMENT 6
SAFE DRIVING PROCEDURES

ATTACHMENT 6a
JOURNEY HAZARD ASSESSMENT CARDS



JOURNEY HAZARD ASSESSMENT CARD

ADMIN-604
Page 1 of 1
Rev. 1 April 2006

STOP! THINK! GO!

Name J. Moran Date 10/2/04

STOP

Do I need to make this journey? Yes No

STOP

Where am I traveling? CAKES
How long will I be driving? 5 HR
And do I have an ETA with a contact person? Y
Have I communicated area hazards and safest mode of transport? Y

THINK

How can I ensure that I have a safe journey?

THINK

Am I well rested and alert for the journey? Yes No

THINK

Have I done a vehicle walk around and ensured that the vehicle is safe and ready for travel? Yes No

ELEMENTS OF THE DRIVING STANDARD

- Has vehicle been inspected? Yes No
- Will passengers be transported? Yes No
- Has cargo been secured? Yes No
- Driver's License is current? Yes No
- Appropriately rested and alert? Yes No
- Journey risks have been identified? Yes No
- Seatbelts are in working order? Yes No
- Medically fit for driving? Yes No

OK HAVE A SAFE TRIP! A

DRIVING IS RISKY BUSINESS!



SECOR

JOURNEY HAZARD ASSESSMENT CARD

ADMIN-604

Page 1 of 1

Rev. 1

April 2006

STOP! THINK! GO!

Name John Masco

Date 10/4/06

STOP

Do I need to make this journey?

Yes

No

STOP

Where am I traveling?

How long will I be driving? 1 hr

And do I have an ETA with a contact person? y

Have I communicated area hazards and safest mode of transport?

THINK

How can I ensure that I have a safe journey?

THINK

Am I well rested and alert for the journey?

Yes

No

THINK

Have I done a vehicle walk around and ensured that the vehicle is safe and ready for travel?

Yes

No

ELEMENTS OF THE DRIVING STANDARD

- Has vehicle been inspected? Yes No
- Will passengers be transported? Yes No
- Has cargo been secured? Yes No
- Driver's License is current? Yes No
- Appropriately rested and alert? Yes No
- Journey risks have been identified? Yes No
- Seatbelts are in working order? Yes No
- Medically fit for driving? Yes No

HAVE A SAFE TRIP!

DRIVING IS RISKY BUSINESS!

ATTACHMENT 6b
Daily Vehicle Checklists

	DAILY VEHICLE CHECKLIST	ADMIN-602	
		Page 1 of 1	
		Rev. 1	April 2006

Employee Name: John Mason Region/Business Unit: COVA
 Date: 10/2 Time: 04:30 Vehicle Color: SLC
 Vehicle Make/Model: DEZPER Vehicle License Plate Number: 8D23783
 Job: 01/CH.93415 Job #: _____ # of Miles Driven 294
 Job: _____ Job #: _____ # of Miles Driven _____
 Job: _____ Job #: _____ # of Miles Driven _____
 Vehicle Mileage Start 555 Vehicle Mileage Stop 849 Total Miles Driven 294

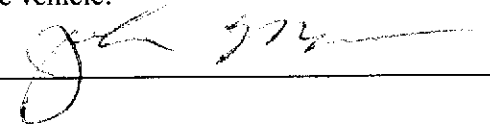
SECOR Vehicle
 Rental Vehicle
 Personal Vehicle

Perimeter Walk Around:	Item is OK	Item is NOT OK
Check for signs of vandalism, negligence, damage or unusual conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all tires for excessive and unusual wear and proper inflation - include the spare tire if it is easily accessible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check under vehicle for signs of leaking fluids	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check wiper blades (Do they work? Do they need replacement?)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all light systems - brake, head, back-up, running, turn signals, emergency flashers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check to make sure doors, truck/toolbox lids, tailgates all open and close properly (Make sure you have keys to any toolboxes that you may need to access)	<input type="checkbox"/>	<input type="checkbox"/>

Check Gauges on Dashboard:	Item is OK	Item is NOT OK
Fuel Level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine Coolant Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Service Indicator Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery Charge Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inside Vehicle:	Item is OK	Item is NOT OK
Make sure seatbelts are present for all who will be riding in the vehicle	<input type="checkbox"/>	<input type="checkbox"/>
Secure all cargo in the vehicle so that items will not become projectiles in the event of sudden stops or collisions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust the seat position, rearview and side mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust temperature controls, vents, radio, etc.	<input type="checkbox"/>	<input type="checkbox"/>

Notify the vehicle manager or rental company if you feel that any deficiencies are unsafe and **DO NOT** drive the vehicle!

Signature: 

	DAILY VEHICLE CHECKLIST	ADMIN-602	
		Page 1 of 1	
		Rev. 1	April 2006

Employee Name: John Wilson Region/Business Unit: 004A

Date: 10/3 Time: 06:00 Vehicle Color: Silver

Vehicle Make/Model: Dodge Vehicle License Plate Number: 8D23783

Job: 0401.93415 Job #: _____ # of Miles Driven 30

Job: _____ Job #: _____ # of Miles Driven _____

Job: _____ Job #: _____ # of Miles Driven _____

Vehicle Mileage Start 849 Vehicle Mileage Stop 879 Total Miles Driven 324

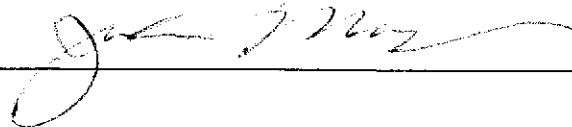
SECOR Vehicle Rental Vehicle Personal Vehicle

Perimeter Walk Around:	Item is OK	Item is NOT OK
Check for signs of vandalism, negligence, damage or unusual conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all tires for excessive and unusual wear and proper inflation – include the spare tire if it is easily accessible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check under vehicle for signs of leaking fluids	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check wiper blades (Do they work? Do they need replacement?)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all light systems – brake, head, back-up, running, turn signals, emergency flashers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check to make sure doors, truck/toolbox lids, tailgates all open and close properly (Make sure you have keys to any toolboxes that you may need to access)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Check Gauges on Dashboard:	Item is OK	Item is NOT OK
Fuel Level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine Coolant Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Service Indicator Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery Charge Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inside Vehicle:	Item is OK	Item is NOT OK
Make sure seatbelts are present for all who will be riding in the vehicle	<input type="checkbox"/>	<input type="checkbox"/>
Secure all cargo in the vehicle so that items will not become projectiles in the event of sudden stops or collisions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust the seat position, rearview and side mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust temperature controls, vents, radio, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Notify the vehicle manager or rental company if you feel that any deficiencies are unsafe and **DO NOT** drive the vehicle!

Signature: 

Employee Name: John Mason Region/Business Unit: 004A

Date: 10/11 Time: 06:00 Vehicle Color: Silver

Vehicle Make/Model: Dodge Vehicle License Plate Number: 8D23783

Job: 04CH.93415.00 Job #: _____ # of Miles Driven _____

Job: _____ Job #: _____ # of Miles Driven _____

Job: _____ Job #: _____ # of Miles Driven _____

Vehicle Mileage Start 879 Vehicle Mileage Stop 904 Total Miles Driven 25

SECOR Vehicle Rental Vehicle Personal Vehicle

Perimeter Walk Around:	Item is OK	Item is NOT OK
Check for signs of vandalism, negligence, damage or unusual conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all tires for excessive and unusual wear and proper inflation – include the spare tire if it is easily accessible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check under vehicle for signs of leaking fluids	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check wiper blades (Do they work? Do they need replacement?)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all light systems – brake, head, back-up, running, turn signals, emergency flashers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check to make sure doors, truck/toolbox lids, tailgates all open and close properly (Make sure you have keys to any toolboxes that you may need to access)	<input type="checkbox"/>	<input type="checkbox"/>

Check Gauges on Dashboard:	Item is OK	Item is NOT OK
Fuel Level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine Coolant Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Service Indicator Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery Charge Indicator	<input type="checkbox"/>	<input type="checkbox"/>

Inside Vehicle:	Item is OK	Item is NOT OK
Make sure seatbelts are present for all who will be riding in the vehicle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Secure all cargo in the vehicle so that items will not become projectiles in the event of sudden stops or collisions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust the seat position, rearview and side mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust temperature controls, vents, radio, etc.	<input type="checkbox"/>	<input type="checkbox"/>

Notify the vehicle manager or rental company if you feel that any deficiencies are unsafe and **DO NOT** drive the vehicle!

Signature: John Mason

 04CH.93415.00	DAILY VEHICLE CHECKLIST	ADMIN-602	
		Page 1 of 1	
		Rev. 1	April 2006

Employee Name: John Moran Region/Business Unit: 004A
 Date: 10/5 Time: 6:00 Vehicle Color: John
 Vehicle Make/Model: Dodge Vehicle License Plate Number: 9D27787
 Job: 04CH 93415.00 Job #: _____ # of Miles Driven _____
 Job: _____ Job #: _____ # of Miles Driven _____
 Job: _____ Job #: _____ # of Miles Driven _____
 Vehicle Mileage Start 904 Vehicle Mileage Stop 984 Total Miles Driven 80
 SECOR Vehicle Rental Vehicle Personal Vehicle

Perimeter Walk Around:	Item is OK	Item is NOT OK
Check for signs of vandalism, negligence, damage or unusual conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all tires for excessive and unusual wear and proper inflation – include the spare tire if it is easily accessible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check under vehicle for signs of leaking fluids	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check wiper blades (Do they work? Do they need replacement?)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all light systems – brake, head, back-up, running, turn signals, emergency flashers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check to make sure doors, truck/toolbox lids, tailgates all open and close properly (Make sure you have keys to any toolboxes that you may need to access)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Check Gauges on Dashboard:	Item is OK	Item is NOT OK
Fuel Level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine Coolant Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Service Indicator Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery Charge Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inside Vehicle:	Item is OK	Item is NOT OK
Make sure seatbelts are present for all who will be riding in the vehicle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Secure all cargo in the vehicle so that items will not become projectiles in the event of sudden stops or collisions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust the seat position, rearview and side mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust temperature controls, vents, radio, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Notify the vehicle manager or rental company if you feel that any deficiencies are unsafe and **DO NOT** drive the vehicle!

Signature: John Moran

 SECOR	DAILY VEHICLE CHECKLIST	ADMIN-602	
		Page 1 of 1	
		Rev. 1	April 2006

Employee Name: John Mason Region/Business Unit: 004A

Date: 10/6 Time: 06:30 Vehicle Color: Silver

Vehicle Make/Model: Dodge Vehicle License Plate Number: 8D03387

Job: 04CH.93415.00 Job #: _____ # of Miles Driven _____

Job: _____ Job #: _____ # of Miles Driven _____

Job: _____ Job #: _____ # of Miles Driven _____

Vehicle Mileage Start 984 Vehicle Mileage Stop 1289 Total Miles Driven 315

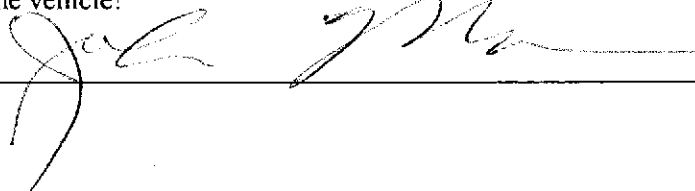
SECOR Vehicle Rental Vehicle Personal Vehicle

Perimeter Walk Around:	Item is OK	Item is NOT OK
Check for signs of vandalism, negligence, damage or unusual conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all tires for excessive and unusual wear and proper inflation – include the spare tire if it is easily accessible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check under vehicle for signs of leaking fluids	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check wiper blades (Do they work? Do they need replacement?)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check all light systems – brake, head, back-up, running, turn signals, emergency flashers	<input type="checkbox"/>	<input type="checkbox"/>
Check to make sure doors, truck/toolbox lids, tailgates all open and close properly (Make sure you have keys to any toolboxes that you may need to access)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Check Gauges on Dashboard:	Item is OK	Item is NOT OK
Fuel Level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oil light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine Coolant Temperature Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Service Indicator Lights	<input type="checkbox"/>	<input type="checkbox"/>
Battery Charge Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inside Vehicle:	Item is OK	Item is NOT OK
Make sure seatbelts are present for all who will be riding in the vehicle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Secure all cargo in the vehicle so that items will not become projectiles in the event of sudden stops or collisions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust the seat position, rearview and side mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjust temperature controls, vents, radio, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Notify the vehicle manager or rental company if you feel that any deficiencies are unsafe and **DO NOT** drive the vehicle!

Signature: 

ATTACHMENT 6c^[A9] JOURNEY MANAGEMENT PLAN(s)

PURPOSE

The purpose of this Journey Management Procedure (JMP) is to prevent losses associated with motor vehicle related incidents including: injuries to drivers, passengers and pedestrians, damage to motor vehicles and damage to third party property. By communicating potential safety risks before mobilizing to a site, a motor vehicle operator will be able to prepare for and avoid potential hazards.

SCOPE

This JMP applies to all vehicles assigned for the support of site operations, including company owned and personal use vehicles. This JMP does not apply to vendors (such as UPS, FedEx, etc.) not under contract with Chevron or their supplier. This JMP does not address hazards that are external to the site access/egress and on the onsite project operations.

SPECIAL NOTE

Because the site, weather and traffic conditions may change frequently the JMP shall be maintained and updated separate from the Site Health and Safety Plan.

Responsibilities

Contract Project Manager

The contract project manager is responsible to ensure that the site has a current Journey Management Plan.

Field Manager

The field manager is responsible to create and keep current a JMP that is appropriate for the site conditions. It is also the field manager's role to ensure each vehicle operator has a JMP that describes the conditions for his vehicle and equipment prior to mobilizing to the site. A common JMP may be used for several vehicles or as conditions dictate a separate JMP may be specific or unique to an individual vehicle.

Vehicle Operator

The assigned vehicle operator shall not mobilize to the site without first receiving the JMP. It is also the vehicle operator's responsibility to read and become familiar with the description and stipulations of the JMP prior to mobilizing to the site. DO NOT mobilize to the site to get clarification to the JMP. Because driving conditions may vary, vehicle operators shall also notify the field manager of any hazards not identified on the JMP so that the field manager can update the JMP. Because traffic conditions may change frequently on a project, the JMP shall be maintained and updated separate from the Site Health and Safety Plan.

Scope of this JMP

Describe the types of vehicles and equipment that are within the scope of this JMP such as: This JMP shall include the operation and use of the following vehicles and equipment: Vehicles to transport personnel to and from the site, Drill Rigs, Roll off boxes, Vacuum Trucks, support equipment such as trailers, backhoes, front end loaders, rollers, etc. All vehicle operators shall be responsible for ensuring their vehicles are maintained and being familiar with and obeying all laws related to vehicle operation.

General Hazards

Describe the conditions/hazards that are more general such as those related to weather or time of day, lighting and the use of headlights and vehicle emergency flashers, the use of private services to manage traffic signs and barricades. You may want to describe the preferred walking routes for site workers. **Special note to the vehicle operator that it is their sole responsibility to read and become familiar with the description and stipulations of the JMP prior to mobilizing to the site. All drivers will avoid distractions including but not limited to using cell phones in any form or two way radios while driving.**

Site Specific Hazards

Describe the conditions/hazards that are site specific such as those related to pedestrian traffic, bus stops, school zones, local traffic conditions, train tracks, and other local conditions. You may want to describe the preferred walking routes for site workers.

Directions: Access to the Site

Describe the recommended safe direction to gain access to the site and recommended direction to leave the site. This description shall take into consideration conditions and limitations caused by: local traffic conditions, road conditions, presence or lack of curb and gutter, bus stops, school zones, pedestrian walk ways, traffic lights, train tracks, etc. Specific directions may vary depending on the time of day if there are specific hazards such as school recesses, or local business traffic due to shift changes.

Directions: Leaving the Site

Describe the recommended safe direction to leave the site. This description shall take into consideration conditions and limitations caused by: local traffic conditions, road conditions, bus stops, pedestrian walk ways, traffic lights, etc.

Site Specific Restrictions and Controls

Directions to reference attached site sketch. Describe any site conditions that might be relevant such as height restrictions due to the business canopy, overhead power/phone lines. Describe any parking limitations or the number and size of vehicle restrictions. Describe the procedures used for positioning/backing vehicles and equipment such as: All vehicles with limited vision shall not be positioned into place or backed without a spotter to assist the vehicle operator. If relevant describe how 3rd party pedestrian walkways will be used and maintained. Describe as appropriate the roles and responsibilities of maintaining exclusion zone barricades, traffic control signs and markers, etc.

This Journey Management Plan is approved for use:

From: mm/dd/yy	Time:	To: mm/dd/yy	Time:
----------------	-------	--------------	-------

Journey Management Plan Created and Maintained by

Field Manager : Name	Cell: (XXX) XXX-XXXX
----------------------	----------------------

Contract Project Manager: Name	Cell: (XXX) XXX-XXXX
--------------------------------	----------------------

Scope of this JMP

This JMP shall include the operation and use of the following vehicles and equipment: SECOR's sampling truck, SECOR's sampling van, SECOR's truck, personal vehicles, vacuum trucks, and support equipment such as trailers.

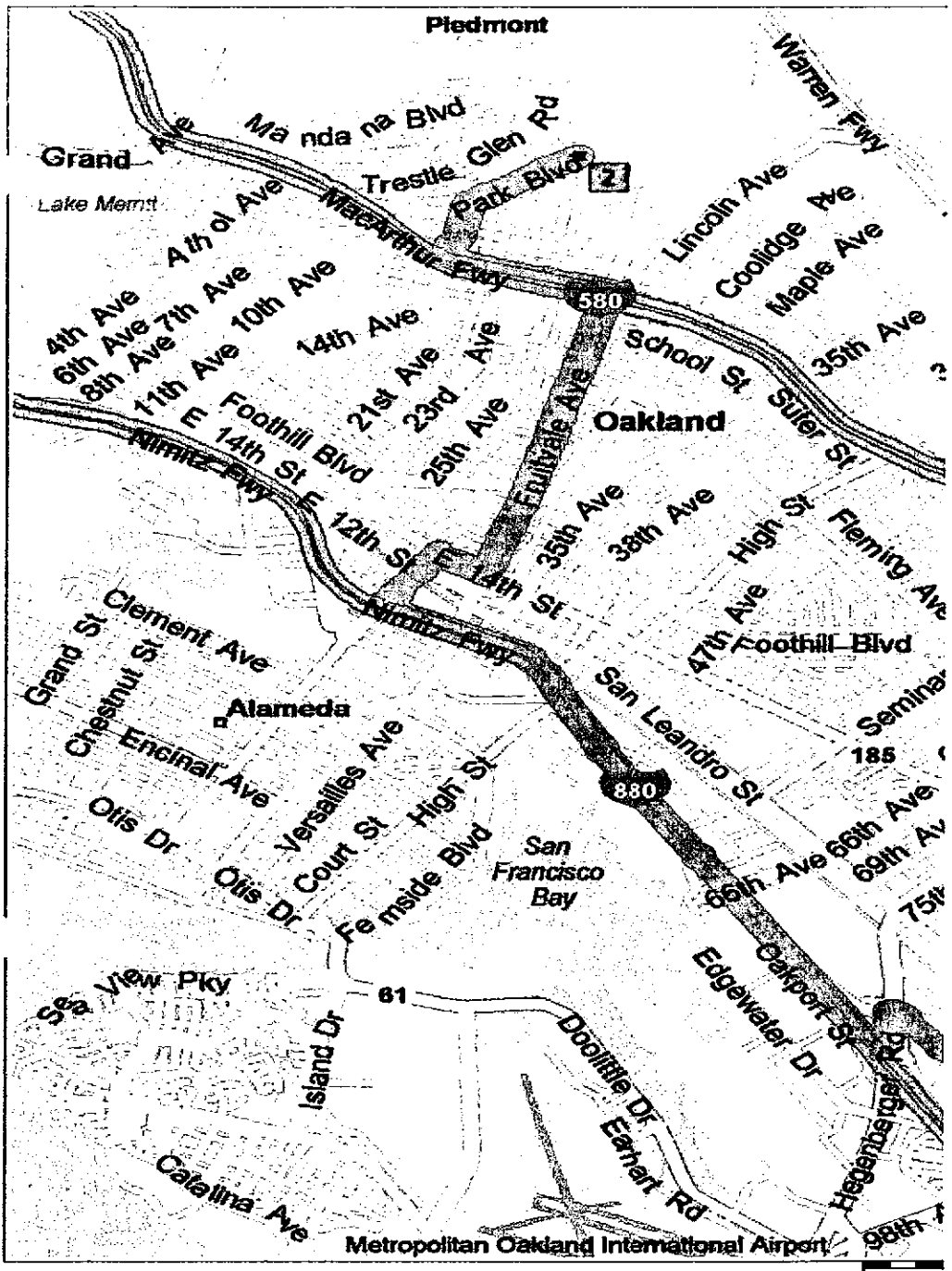
All vehicle operators shall be responsible for ensuring their vehicles are properly maintained and being familiar with and obeying all laws related to vehicle operation. All operators have current vehicle safety training. Operators shall have read, understand and follow SECOR Driving JSA and the JMP.

The route from the Hotel to the job site:

Enterprise Way, Oakland, CA 94621 to 4500 Park Blvd, Oakland, CA 94602

7.2 miles; 11 minutes

- 9:00 AM 0.0 mi 1 Depart Enterprise Way, Oakland, CA 94621 on Enterprise Way (West) for 0.2 mi
- 9:00 AM 0.2 mi Bear RIGHT (North) onto Edes Ave for 109 yds
- 9:01 AM 0.3 mi Road name changes to Local road(s) for 21 yds
- 9:01 AM 0.3 mi Turn LEFT (South) onto Hegenberger Rd for 153 yds
- 9:01 AM 0.4 mi Take Ramp (RIGHT) onto I-880 [Nimitz Fwy] for 3.1 mi towards I-880 / Oakland
- 9:04 AM 3.5 mi Turn RIGHT onto Ramp for 131 yds towards 29th Avenue / Fruitvale Ave
- 9:04 AM 3.6 mi Bear RIGHT (North) onto 29th Ave for 0.3 mi
- 9:05 AM 4.0 mi Turn RIGHT (South-East) onto E 14th St [International Blvd] for 0.2 mi
- 9:05 AM 4.2 mi *Turn potentially restricted* Turn LEFT (North) onto Fruitvale Ave for 1.5 mi
- 9:08 AM 5.7 mi Take Ramp (LEFT) onto I-580 [MacArthur Fwy] for 0.4 mi towards I-580 / Hayward
- ~~9:08AM 6.1 mi Turn RIGHT onto Ramp for 0.3 mi towards 14th Avenue / Park Blvd~~ NA
- ~~9:09 AM 6.4 mi Turn RIGHT (North) onto Beaumont Ave for 0.3 mi~~ NA
- 9:09 AM 6.7 mi Bear RIGHT (East) onto Park Blvd for 0.5 mi
- 9:11AM 7.2mi 2 Arrive 4500 Park Blvd, Oakland, CA 94602



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 © Copyright 2003 by Geographic Data Technology, Inc. All rights reserved. © 2004 NAVTEQ. All rights reserved. This data includes information taken with permission from Canadian authorities © Her Majesty the C

General Hazards

It is the vehicle operator's sole responsibility to read and become familiar with the description and stipulations of this JMP prior to mobilizing to the site. All drivers will avoid distractions including but not limited to using cell phones.

Site ingress and egress can be made from Park Boulevard Avenue and Everett Street. Parking areas are located as shown on the Journey Management Plan Map. The preferred parking area is as far away from incoming and exiting traffic as possible, preferably near the on-site car wash.

Use flaggers to manage traffic if working near Park Boulevard and Everett Street.

As appropriate create a sketch of the site. It can be helpful in clarifying access/egress routes, parking and positioning of equipment, traffic cones and other delineators.

Site Sketch

See SITE MAP

Because this is a sketch it can not be interpreted as accurate to scale.

ATTACHMENT 6d
SECOR Vehicle Collision Kit

The following items should be enclosed in an envelope in the glove box of all SECOR vehicles:

- Vehicle Registration Card
- Vehicle Insurance Card with name and phone number of agent
- Name of Preferred Body Shop or Maintenance Facility to take damaged vehicle (usually nearest Dealership)
- Owners Manual
- Disposable Camera
- Note Pad and Pen

WHAT TO DO AFTER A COLLISION:

Auto collisions: Even the most careful drivers may be involved. Knowledge of what to do **after** the collision can make the experience a little less frightening and decrease the chance of unnecessary complications.

After a Collision

- Check for injuries. Life and health are more important than damage to vehicles.
- Make note of specific damages to all vehicles involved.
- Write down the names, addresses and license numbers of persons involved in the collision. Also, write a description of the other vehicles.
- Call the police, even if the collision is minor.
- Jot down names and addresses of anyone who may have witnessed the collision. This can prevent disagreement concerning how the collision actually happened.

Other Do's and Don'ts

- DO jot down details about the collision, the location, and circumstances such as weather conditions and visibility.
- DO notify your insurance agent about the collision immediately.
- DON'T sign any document unless it is for the police or your insurance agent.

Remember that a SECOR incident investigation form must also be completed following any collision. The collision must be reported to the SECOR Project Manager in addition to the following people:

Marguerite Shuffelton, Director of Human Resources:

Office 619-718-9430
Cell 619-925-8365
Home: 760-749-9603

Phil Platcow, Director of Industrial Hygiene/Health and Safety:

Office: 617-232-7355
Cell: 617-899-5403
Home: 617-739-1224

Michael Allen Philipp, West Region Health & Safety Manager

Office (619) 296-6195 X240 Fax (619) 296-6199
Cell (619) 985-4340
Home (858) 391-0347

Gay Matteson, SECOR Contracts

Office (425) 372-1672
Fax (425) 372-1700

COLLISION FORM

Driver's Name: _____ Driver's Lic. No. _____ Lic. Plate No. _____
Make of Vehicle: _____ Model: _____ Yr. _____ VIN No. _____
Date: _____ Time: _____
Location of Collision: _____
Specific Damages to the vehicle you were driving: _____

Conditions:

Pavement Dry Wet Ice Snow Weather _____ Visibility _____
Traffic Control Lights Signal None – indicate any traffic control on the schematic you draw
Police Investigation Yes No Officer Name and Badge No. _____
Name of Department: _____
* Request a copy of the police report for submission to the insurance company
Were citations issued? Yes No If yes, to whom and for what violation? _____

Other Motorists involved in the incident:

Name: _____ Address: _____
Phone Number: _____ Drivers License Number: _____
Lic. Plate No. _____ Make of Vehicle _____
Model _____ Yr. _____ VIN No. _____
Owner of Vehicle _____ Insurance Company Name: _____
Policy and Phone Number: _____ Vehicle Speed _____
Direction of Travel: N E S W Description of Damage _____

Name: _____ Address: _____
Phone Number: _____ Drivers License Number: _____
Lic. Plate No. _____ Make of Vehicle _____
Model _____ Yr. _____ VIN No. _____
Owner of Vehicle _____ Insurance Company Name: _____
Policy and Phone Number: _____ Vehicle Speed _____
Direction of Travel: N E S W Description of Damage _____

Other Person(s) who witnessed the incident:

Name: _____ Phone Number: _____
Address: _____
Name: _____ Phone Number: _____
Address: _____
Name: _____ Phone Number: _____
Address: _____

Property Damage other than Vehicles:

Owner _____ Address _____
What was damaged _____
Location of Property _____

List all Persons Involved:

Name _____ Phone No _____
Address _____
 Your Vehicle Other Vehicle Pedestrian Injured? No Yes, Describe _____

Name _____ Phone No _____
Address _____
 Your Vehicle Other Vehicle Pedestrian Injured? No Yes, Describe _____

Name _____ Phone No _____
Address _____
 Your Vehicle Other Vehicle Pedestrian Injured? No Yes, Describe _____

Name _____ Phone No _____
Address _____
 Your Vehicle Other Vehicle Pedestrian Injured? No Yes, Describe _____

Brief Description of Photos Taken:

Use this paper to draw a schematic of the collision – indicate North on schematic for reference
Describe what happened below the schematic

IF AN ACCIDENT OCCURS AFTER SECOR'S NORMAL WORKING HOURS PLEASE REPORT YOUR CLAIM TO KIBBLE & PRENTICE INSURANCE AGENT, PHONE NO 425-454-2445, FAX NO 425-646-9616 - AFTER HOURS PHONE NO 425-681-1349

ACORD CERTIFICATE OF LIABILITY INSURANCE

OP ID KH
SECOR-1 DATE (MM/DD/YYYY)
10/28/05

PRODUCER
Kibble & Prentice
P.O. Box 3467
Bellevue WA 98009-3467
Phone: 425-454-2445 Fax: 425-646-9616

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
SECOR International
Incorporated
PO Box 230
Redmond WA 98073-0230

INSURERS AFFORDING COVERAGE		NAIC #
INSURER A:	Zurich American Insurance Co.	
INSURER B:	Steadfast Insurance Co	
INSURER C:	Zurich American Insurance Co.	
INSURER D:		
INSURER E:		

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L TR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owner/Cont Prot. <input checked="" type="checkbox"/> Per Proj Agg. GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	GLO522247704	11/02/05	11/02/06	EACH OCCURRENCE: \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence): \$ 250,000 MED EXP (Any one person): \$ 5,000 PERSONAL & ADV INJURY: \$ 1,000,000 GENERAL AGGREGATE: \$ 2,000,000 PRODUCTS - COM/PROP AGG: \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	BAP522248504	11/02/05	11/02/06	COMBINED SINGLE LIMIT (Ea accident): \$ 1,000,000 BODILY INJURY (Per person): \$ BODILY INJURY (Per accident): \$ PROPERTY DAMAGE (Per accident): \$ GARAGE LIABILITY <input type="checkbox"/> ANY AUTO AUTO ONLY - EA ACCIDENT: \$ OTHER THAN AUTO ONLY: EA ACC: \$ AGG: \$
B	EXCESS/UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$10000	SE0522249004	11/02/05	11/02/06	EACH OCCURRENCE: \$ 2,000,000 AGGREGATE: \$ 2,000,000 \$ \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below OTHER	WC9006846-01	11/02/05	11/02/06	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT: \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE: \$ 1,000,000 E.L. DISEASE - POLICY LIMIT: \$ 1,000,000
B	Pollution Occurren Prof. Claims Made	PEC522247504	11/02/05	11/02/06	1,000,000 Occ/CL Made 1,000,000 Aggregate

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
 Evidence of Insurance for General Liability, Auto Liability, Workers Compensation, Professional/Pollution Liability and Excess Liability including the Professional/Pollution coverage.

CERTIFICATE HOLDER

TOWHOM

TO WHOM IT MAY CONCERN

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE




Incident Investigation Report

Consider using the Root Cause Analysis PROACTIVELY to avoid incidents and near misses.

INCIDENT TYPE (To be filled in by Human Resources Department)			Date of Incident:
<input type="checkbox"/> Fatality	<input type="checkbox"/> Industrial Non-Recordable	<input type="checkbox"/> Spill/Leak	<input type="checkbox"/> General Liability
<input type="checkbox"/> Lost Workday	<input type="checkbox"/> Non-Industrial	<input type="checkbox"/> Product Integrity	<input type="checkbox"/> Criminal Activity
<input type="checkbox"/> LW Restricted Duty	<input type="checkbox"/> Off-the-Job Injury	<input type="checkbox"/> Equipment	<input type="checkbox"/> Notice of Violation
<input type="checkbox"/> OSHA Medical or Illness w/o LW	<input type="checkbox"/> MVA	<input type="checkbox"/> Business Interruption	<input type="checkbox"/> Near Miss
<input type="checkbox"/> First Aid	<input type="checkbox"/> Fire		

The SECOR Project Manager, Human Resources and Corporate Health & Safety must be informed immediately after stabilizing the victim(s)/site as the result of an incident or near miss. The investigation of the incident or near miss by the employee's supervisor or Site Health and Safety Officer must also begin immediately. This report must be completed as soon as possible, in most cases within the week of the incident. It must be reviewed and signed by the Principal and e-mailed or faxed to the Vice President of Human Resources, and Corporate Health and Safety (numbers at end), even if employee is not available to review and sign. Employee or employee's doctor must submit a copy of the doctor's report to Human Resources within 24 hours of the initial exam and any subsequent exams. Contact information at end of report.

EMPLOYER (Include sub-contractors, or other employers on our sites)

Company Name: _____

Work Location Address where incident occurred: _____ Project Name: _____

EMPLOYEE

Name: _____

Employment Status: Full-Time Part-Time Hourly-As-Needed How long in present job? _____

INJURY OR ILLNESS INFO

Where did incident / near miss occur? (number, street, city, state, zip): _____

County: _____ On Employer's premises? Yes No

Specific activity the employee was engaged in when the incident / near miss occurred: _____

All equipment, materials, or chemicals the employee was using when the incident / near miss occurred (e.g., the machine employee struck against or which struck employee; the vapor inhaled or material swallowed; what the employee was lifting, pulling, etc.): _____

Describe the specific injury or illness (e.g., cut, strain, fracture, skin rash, etc.): _____

Body part(s) affected (e.g., back, left wrist, right eye, etc.): _____

Name and address of Health Care Provider (e.g., physician or clinic): _____ Phone No.: _____

If hospitalized, name and address of hospital: _____ Phone No.: _____

Date of injury or onset of illness(MM/DD/YYYY) / / _____ Time of event or exposure: AM PM

Time employee began work: AM PM Did employee lose at least one full shift's work?
 No Yes, 1st date absent (MM/DD/YYYY) / / _____

Has employee returned to work? Regular work Restricted work No, still off work Yes, date returned (MM/DD/YYYY) / / _____

Did employee die? No Yes, date (MM/DD/YYYY) / / _____

Date employer notified of incident / near miss: (MM/DD/YYYY) / / _____

To whom reported:					
Other workers injured/made ill in this event? <input type="checkbox"/> Yes <input type="checkbox"/> No					
Description of Incident / Near Miss: (Describe fully the incident / near miss events. Tell exactly what happened and how it happened so that someone could recreate the incident or near miss. Use extra paper if you need.)					
Weather (Fog, rain, ice, sunshine, windy, extreme temperatures – report in degrees F or C)					
Motor Vehicle Accident (MVA) - You may also have to fill out an insurance form-Call Corporate Contracts Dept. (425) 372-1600				Professional Driver? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Years Driving:	Company Vehicle? <input type="checkbox"/> Yes <input type="checkbox"/> No		Operation Type:	Accident Situation:	
Truck Transportation:	Years with Carrier:	Vehicle Type:	Equipment #:		
Accident Location (street, city, state):					
Hazardous Material? <input type="checkbox"/> Yes <input type="checkbox"/> No		Reportable? <input type="checkbox"/> Yes <input type="checkbox"/> No	No. of Vehicles Towed	No. of Injuries:	No. of Fatalities:
Spill/Leak/Product Quality					
Product Name	Quantity	Product 2 Name	Quantity	Product 3 Name	Quantity
Agency Notifications					
Estimated Cost of Incident		\$			
Third Party Incidents					
Name of Owner		Address	Telephone		
Description of Damage:					
Witness Name		Address	Telephone		
Witness Name		Address	Telephone		
# Root Cause and Contributing Factors: Conclusion (Describe in Detail Why Incident / Near Miss Occurred)					
1					
2					
3					
4					
Root Cause(s) Analysis (RCA) - Use proactively to avoid incidents and Near Misses.					
1) Deficiency in task related ability or knowledge		5) Proper execution requires increased time or effort.			
2) Deficiency in Standard Operating Procedures or Job Safety Analysis		6) Improper procedures and performance is accepted and allowed.			
3) Deficiency in the transference of information concerning the Standard Operating Procedures or Job Safety Analysis steps.		7) Previous improper performance of a task did not result in adverse results.			
4) Deficiency or lack of the proper tools or equipment.		8) Beyond the control of the Supervisor/worker(s).			
#	RCA #	Solution(s): How to Prevent Incident / Near Miss From Reoccurring	Person Responsible	Due Date	Closure Date
Investigation Team Members					
Name		Job Title	Date		

--	--	--

Results of Solution Verification and Validation - after implementing solutions to make sure they work.

--	--	--

Reviewed By

Name	Job Title	Date
------	-----------	------

Acknowledgment Signatures for Injuries/Illnesses

Title	Signature	Date
Director of HR: Marguerite Shuffelton		
Director of IH/H&S: Philip Platcow		
NAM:		
Regional Managers:		
Frank Aceto		
Oren Gottlieb		
Jim Grasty		
Russ Hamblin		
Sr. Vice President: David Childs		
Chief Executive Officer: Jim Vais		

Contact information.

Call Human Resources and Corporate H&S Immediately.

HR: Mary Harris Phone: 619-718-9429, Fax: 619-296-2006, E-Mail: mharris@secor.com. After hours or weekends, please call Marguerite Shuffelton Cell: 619-925-8365 or Home 760-749-9603.

Health & Safety: Call Philip Platcow and Michael Philipp

Philip Platcow: 617-232-7355; fax 801-340-8657 Email: pplatcow@secor.com. After hours or weekends, cell: 617-899-5403 or Home 617-739-1224

and Mike Philipp 619-296-6195; fax 619-296-6199 Email: mphilipp@secor.com. After hours or weekends, cell: (619) 985-4340

Fax report to all three.

PROACTIVE
Incident prevention

PPE

Plan
Prevent
Execute

SELECT THE RIGHT PEOPLE

- Choose qualified people for the task
- Assess necessary level of training and experience
- Use your PPE card
- Follow SECOR subcontractor Safety Empowerment procedures

MOTIVATE PEOPLE WITH RESOURCES

- Provide appropriate resources for the task
- Utilize only well-maintained equipment
- Perform critical equipment inspections
- Utilize only the correct tools
- Support staff and be accountable, unambiguous
- Be a professional & mentor

DO THE TASK RIGHT

- Review job safety analysis
- Follow correct job procedures
- Make quality 100% way of life
- Communicate with all personnel on site
- Ask for help as needed

ALWAYS PERFORM PPE ASSESSMENTS BEFORE MOVING FORWARD

CONDUCT SAFE REVIEWS FREQUENTLY

- Establish correct lead time intervals
- Involve all the solution competency

Phil Witrow, OH
Denton
Health & Safety
Industrial Safety
Denton OH, OH
614.232.7735 ext 444
614.232.5411 cell
ppw@denton.com

Rob Wilson, OH
Akron, OH
313.441.0211 ext 444
412.276.2115 cell
rob@wilsont.com

Max Payne, GA
Georgetown, GA
678.266.6195 ext 444
978.903.4380 cell
mp@apexrock.com

Michael O'Leary
Akron, OH
330.896.9226 ext 444
330.354.6736 cell
mole@wilsont.com

David Coleman
Fazakerley, TN
615.794.1524 ext 444
615.545.7746 cell
dcole@wilsont.com

Beth Cook
Denver, CO
303.778.7818 ext 444
303.299.2218 cell
beth@wilsont.com

PPE

Plan
Prevent
Execute

PLAN for quality
of work and life

- Choose the right person for the right job
- Perform hazard assessment / job safety analysis
- Assess subcontractor safety
- Assess laboratory quality
- Institute energy safety procedures, i.e. lockout/tagout
- Plan for adequate sleep
- Design engineering controls
- Design proper personal protection equipment
- Provide regulatory compliance
- Always communicate

PREVENT
incidents of all types

- Utilize appropriate resources, permits, equipment, and procedures
- Be compliant of departmental procedures, methods, and entry safety / job authorization
- Be attentive to facility safety habits
- Be a professional
- Always communicate

EXECUTE
your plan

- Ask for help as needed, up all levels
- Use proper vehicle safety
- Manage stress responsibly
- Safety on and off the job
- Do SRRS reviews of SECOR staff and contractors
- Use only correct tools
- Stop unsafe behaviors & conditions immediately

**ATTACHMENT 6e
DRIVING LPO FORM**

LPO Type	Driving - Passenger Vehicle	Date and Time
Work Type	Heavy Equipment OR Personal, Co., or Rental	
EMC Business Unit		Organization: Secor
Chevron Facility		Chevron PM
Department		Division

Observer	Title
Observer's Positive Comments	

Site Location	
Equipment On Site	
Personnel On Site	
Weather Conditions	
Unusual Conditions	
Observee's supervisor	Title
Observee:	<input type="checkbox"/> The observee was observed performing his/her regular job <input type="checkbox"/> The observee was observed during his/her regular shift

Conclusion of Feedback (Detail of Why the Questionable Item(s) Occurred).

--

Explanation of Root Cause(s) Analysis Numbers (RCA No):

1 Lack of skill or knowledge	5 Doing the job according to procedures or acceptable practices takes more time/effort
2 Lack of or inadequate operational procedures	6 Short-cutting procedures or acceptable practices is positively reinforced or tolerated
3 Inadequate communication of expectations regarding procedures or acceptable practices	7 In the past, did not follow procedures or acceptable practices and no incident occurred (injury, product quality incident, equipment damage, regulatory assessment or production delay)
4 Inadequate tools or equipment (available, operable and safely maintained, proper task and workplace design)	8 External factors

Item No	RCA No	Solution(s): How to Prevent Questionable Behavior From Reoccurring	Person Responsible	Due Date	Completed	Verified/ Validated

Results of Solution Verification & Validation

--

Feedback Conducted By:		Date and Time:
Reviewed By	Position/Title	Date

	Pre-Task Preparation	Correct	Questionable	Comments
1	SPSA performed prior to beginning work			
2	Performs perimeter walk around vehicle (visual inspection for vehicle damage, tire tread / condition and pressure, fluid leaks)			
3	Adjusts seat so back is fully supported, upper arms are close to sides, and pedals are within easy reach			
4	Lowers steering wheel so that hands are below shoulders			
5	Assures all passengers using seat belts and belts are in good condition			
6	Assures doors are locked			
7	Assures vehicle is in "Park" and parking brake is set before starting vehicle			
8	Checks mirrors, turn signals, washer/wipers, gauges and warning lights			
9	Spotter used for backing equipment/vehicle			
	Performing Task			
10	Uses seat belts whenever vehicle is moving			
11	If parked, walks completely around vehicle looking for hazards immediately before backing			
12	Checks mirrors and over shoulders before pulling out of parking space			
13	Hands located at the 10 & 2, 9 & 3, or 8 & 4 position on steering wheel with secure but relaxed grip			
14	Signals before pulling out of parallel parking space			
15	Moves eyes at least every 2 seconds			
16	Scans left-right-left at major and minor intersections			
17	Scans mirrors frequently, at least one mirror every 5 - 8 seconds			
18	Maintains 15 second eye lead time (1 1/2 blocks in city traffic, 1/4 mile on highways)			
19	Assesses condition of traffic lights (fresh vs stale)			
20	Avoids staring when evaluating road conditions			
21	Assesses information from distant objects			
22	Adjusts eye lead distance to speed			
23	Maintains safety cushion around vehicle			
24	Adjusts vehicle space to avoid unsafe intrusion by other drivers			
25	Stops 10 ft. behind crosswalk or other vehicles at signal-controlled intersections			
26	Approaches stop signs carefully and stops at or just behind cross walk or limit line			
27	Keeps wheels straight while waiting to turn.			
28	Brakes early and checks mirror when slowing or stopping			
29	Allows vehicles in front to proceed for 2 seconds before accelerating			
30	Checks lanes prior to merging			
31	Assesses and executes actions smoothly (i.e., no last second actions)			
32	Cedes right of way for other vehicles to merge, change lanes, turn, etc			
33	Avoids being unnecessarily boxed in			
34	Maintains minimum 4 second following distance			
35	Adjusts speed according to traffic and road conditions (rain, snow, etc)			
36	Seeks eye contact with other drivers			
37	Covers horn when conditions warrant			
38	Signals, checks mirrors and over shoulder before changing lanes			
39	Stays out of blind spots for other drivers			
40	Sounds horn or flashes lights if unsure of visual contact by other drivers			
41	Makes all backing maneuvers slowly and cautiously			
42	Uses pull-through parking to avoid backing			
43	Parks away from other cars			
44	Backs into parking space when possible and safe			
45	Maintains cushion of safety from fixed objects when parking			
46	Sets parking brake			
47	Uses visible theft deterrent device (i.e., the Club) or alarm system warning (if needed)			
48	Avoids cell phone or radio use unless vehicle is parked			
49	Other			
	Post-Task			
50	Reports vehicle problems to company representative or rental car agency			

ATTACHMENT 7

PERMITS

See APP. G - SOIL BARRING PERMIT

**ATTACHMENT 7a
PERMITS TO WORK**

SECOR PROJECT MANAGER TO COMPLETE - ALL PARTIES INVOLVED IN THE WORK MUST SIGN

DATE: <u>10/2 - 10/6/06</u>	PROJECT NO: <u>04CH.93415.00.0201</u>
PROJECT NAME: <u>CHEVRON BASIN</u>	LOCATION OF PROJECT: <u>ORLAND</u>
CLIENT NAME: <u>Chevron - CVK</u>	SUBCONTRACTOR NAME: <u>GR66</u>
DESCRIPTION OF WORK: <u>ASSESSMENT PERMITS</u>	
EMPLOYEES ASSIGNED: <u>J. Wilson, Andy</u>	
DOES CLIENT HAVE A PTW THAT TAKES PRECEDENCE OVER THIS PTW? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the Clients document name and number: _____ ; SECOR and all Subcontractors under the direction of SECOR shall review, approve and sign off on the applicable PTW. A daily safety/production meeting is required for all "high hazard work".	
POTENTIAL HIGH HAZARDS (check all that apply) <input checked="" type="checkbox"/> Hazardous Energy – electrical, chemical, pneumatic, hydraulic, thermal <input type="checkbox"/> Confined Space <input type="checkbox"/> Ground Disturbance (drilling, excavation) <input type="checkbox"/> Hot Work – welding, cutting, brazing – any work which may generate a spark. <input type="checkbox"/> Work at elevated heights – more than 6 feet about the ground. <input type="checkbox"/> Other hazards which may include, but are not limited to, radiation or highly toxic or Flammable atmospheres. Specify _____	
TRAINING If any of the above hazards exist or have the potential to exist all of the employees and subcontractors under SECOR who will work at this site must receive the following training:	
<input checked="" type="checkbox"/> Hazardous Energy – Lock Out Tag Out Training <input checked="" type="checkbox"/> Confined Space Training - <input checked="" type="checkbox"/> Ground Disturbance (drilling, excavation) <input checked="" type="checkbox"/> Hot Work/Fire Watch Training <input type="checkbox"/> Work at elevated heights – Fall Protection <input type="checkbox"/> Other hazards (Specify training – may be on the job) _____	Date Received: <u>10/6</u> Date Received: <u>05</u> Date Received: <u>05</u> Date Received: _____ Date Received: _____
REQUIRED MATERIALS <input checked="" type="checkbox"/> Job Safety Analysis (JSA) – form is available in the SECOR Generic Health and Safety Plan <input checked="" type="checkbox"/> Required PPE (Personal Protective Equipment) per JSA <input checked="" type="checkbox"/> Health and Safety Plan – site specific with JSA's completed for the specific job. SECOR Standard Operating Procedures HS (SOP's) checked will be used depending on the specific hazards identified. <input checked="" type="checkbox"/> Ground Disturbance - SOP 201 and Drilling SOP 112 – use this permit. <input type="checkbox"/> Hot Work – SECOR HS Hot Work Permit Form 615; SOP 115 Welding, Cutting, Brazing <input type="checkbox"/> Confined Space Entry Permit SECOR HS Form 302 <input type="checkbox"/> Fall Protection HS Policy 20 – Use this permit <input type="checkbox"/> Lock Out Tag Out SECOR HS Procedure #8 – use this permit and forms required in LOTO Procedure	
These documents are available at SECOR HS Web site (internal focus): http://intranet.secور.com/Health and Safety	
Emergency communication means: 2-Way <input type="checkbox"/> Telephone <input type="checkbox"/> Other <input type="checkbox"/> Workers at remote sites must not work alone and have a means of communication with them at all times. The Project Manager shall check call lone workers at remote sites every hour to ensure their safety	
I have read, understand and approve of all of the requirements of this PTW.	
Signed: <u>[Signature]</u> SECOR Project Manager	Date: <u>10/06</u> SECOR Site HSO
Signed: _____ Client	Date: _____ Subcontractor Supervisor
Signed: _____ Date: _____	Signed: _____ Date: _____

1.0 PURPOSE & APPLICABILITY

This process serves as an administrative control designed to ensure employees have adequate knowledge, training, and tools to conduct non-routine and hazardous tasks in a safe and efficient manner, prior to conducting work. The Permit to Work is an instrument that ensures that hazards of the job are understood, and appropriate hazard training has been conducted prior to job start-up.

2.0 DEFINITIONS

- LOTO - A Lock Out / Tag Out .
- Confined Space – Any space large enough for entry with limited means of entry and exit that is not designed for human occupancy. Atmospheres inside of confined spaces shall be checked for hazardous atmospheres prior to entry.
- Elevated Work –any work performed 6 feet or more above a surface.
- Hot Work – A hot work permit is required for any procedure that produces a spark, excessive heat, or requires welding or burning.
- Ground Disturbance – any work involving ground disturbance such as excavation or drilling.
- **Other definitions:**
 - HAZWOPER Hazardous Waste Operations & Emergency Response
 - HASP Health and Safety Plan
 - HS Health and Safety
 - HSC Health and Safety Coordinator
 - JSA Job Safety Analysis
 - LOTO Lock Out Tag Out
 - PPE Personal Protective Equipment
 - SOP Standard Operating Procedure

3.0 HEALTH AND SAFETY CONSIDERATIONS

SECOR's permit to work process for routine work will include at a minimum the following items; completion of a site specific Health and Safety Plan that addresses site conditions, hazards and applicable personal protective equipment, as well as contact information, emergency planning, and job safety analyses are required. SECOR's most current generic HASP can be found at <http://intranet.secor.com/Health and Safety>.

4.0 QUALITY ASSURANCE PLANNING CONSIDERATIONS

The quality assurance goal of this protocol is that the training provided is both consistent and comprehensive. SECOR's intent is to allow each employee to apply this knowledge so as to conduct project operations in a comprehensive, safe, high quality and consistent manner. Additional project-specific requirements such as the following may be required: <http://intranet.secor.com/qualitymanagement> .

5.0 RESPONSIBILITIES

- **Project Managers**

- Have the greatest supervisory responsibility on projects.
 - Must also request the maintenance records for any heavy equipment the contractor will bring to the site. This includes the drill rig, excavators, vacuum trucks, vacuum excavation equipment, etc.
 - Will hold the Contractor accountable for all aspects of this program and will stop work and discharge a Contractor if necessary.
- **Health and Safety Officers**
 - Are responsible for providing HS training to fulfill the requirements of specific health and safety requirements for the job.
- **Supervisors**
 - Are responsible for ensuring that direct reports receive the training required or appropriate for his/her work assignments;
 - Are responsible for insuring that subcontractors under SECOR's direction are working in a safe manner and have had the proper training for the job.
- **Employees**
 - Are responsible for their own health and safety at the job site.
 - Will participate in specific hazard training for the job site if needed.
 - Have the authority to "Stop Work" for any unsafe conditions.
 - Employees will advise their supervisor or manager of any unsafe practices or conditions, and support fellow employees in maintaining a safe working environment. Employees will follow the Health and Safety Plans (HASPs)
- **Health and Safety Coordinator (HSC)**
 - Will insure that the employees training records and medical exams are up to date
 - Will coordinate hazard specific training for employees that have a need.

This list is not all inclusive or comprehensive. Please see the SECOR Project Management Manual at the following website for additional information: <http://intranet.secor.com/qualitymanagement>

6.0 TRAINING/QUALIFICATIONS

It is the responsibility of all SECOR staff to apply their experience, expertise and training. Training for each employee on the tasks they are conducting. (Training can be completed on the job as part of the SECOR mentoring program).

Documentation of hazard specific training is required if the following hazards are involved. The office HSC can assist in coordinating the hazard specific training.

- **Elevated Work** – Fall Protection training
- **Ground Disturbance** - training covered in HAZWOPER 8 Hour refresher training
- **Confined Space Entry** – Confined Space Entry Training
- **Hazardous Energy** – (*electrical, hydraulic, pneumatic, chemical or thermal*). -Lock Out Tag Out - (LOTO) Training.
- **Hot Work (Welding, Cutting, Brazing)** – Hot Work Training/Fire Watch Training

Also see SOP 001 –Responsibilities, Section 6 for required training. This document is available at *SECOR HS Web site (internal focus)*: <http://intranet.secor.com/Health and Safety>.

SECOR Project Managers are responsible for ensuring that all subcontractors performing this type of work have had the proper training.

7.0 REQUIRED MATERIALS

- Job Safety Analysis (JSA) available in the SECOR Generic Health and Safety Plan: <http://intranet.secor.com/Health and Safety>.
- SECOR Standard Operating Procedures (SOP's) for the following shall be consulted depending on the specific hazards identified.
 - *Ground Disturbance - Utilities and Subsurface SOP 201 and Drilling SOP 112 – Obtain approvals for the General Permit to Work Form 320 before beginning any ground disturbance work.*
 - *Hot Work – SECOR HS Form 615; SECOR HS SOP 115 Welding, Cutting, Brazing*
 - *Confined Space Entry Permit SECOR HS Form 302*
 - *Fall Protection HS Policy 20 – Obtain approvals for the General Permit to Work Form 320 in the appendix of this document before beginning any work 6 feet or more above the surface.*
 - *Lock Out Tag Out Procedure #8 – Consult before beginning any work involving hazardous energy (electrical, hydraulic, pneumatic, chemical or thermal).*

These documents are available at the *SECOR HS Web site (internal focus)*:
<http://intranet.secor.com/Health and Safety>

8.0 Method

A general Permit to Work or a Hazard Specific Permit (Confined Space Permit, Hot work Permit) is required when the following type work is performed: If the client has a permit which takes precedence that permit shall be used if agreed upon by all parties involved. The "Permit to Work" shall be signed by all parties involved in the work.

High Risk" Work Permits are required for the following

- Excavation or Ground Disturbance Work
- Confined Space Entry
- Hot Work
- Elevated Work (6 feet above surface or more)
- Lock Out Tag Out Work
- Other high risk hazards – such as, but not limited to, radiation, highly toxic and/or flammable chemicals other.

Pre-Task Hazard Review:

All of the tasks to be completed are to be listed in a JSA's (Job Safety Analysis) and shall indicate the controls and PPE needed to perform the tasks in a safe manner. The JSA is part of the site specific HASP. For short term, routine work such as ground water monitoring a site specific HASP with a site specific JSA may be used and a "permit to work" is not required. If the job is a "high risk hazard" or "nonroutine" a hazard specific permit will be used such as a Hot Work Permit, Confined Space Permit, etc. If a hazard specific permit is not available a "General Permit to Work" (SECOR Form 320) will be used. Anyone at the work site needs to have a full understanding of the hazards involved. If the client has a specific "Permit to Work" that takes precedence over SECOR's "Permit to Work" that Permit shall be used if agreed upon by all parties involved; Client, SECOR and SECOR subcontractors. All hazards and applicable safety precautions shall be discussed with the team and any subcontractors working under SECOR's direction.

- Ground Disturbance – A "Permit to Work" is required for any work involving ground disturbance such as excavation or drilling. SECOR HS SOP 201 - will be used unless the client has a permit which takes precedence)

- Confined Space Entry Permit – Any space large enough for entry with limited means of entry and exit that is not designed for human occupancy. Atmospheres inside of confined spaces shall be checked for hazardous atmospheres prior to entry. SECOR is responsible for ensuring that all subcontractors performing this type of work have had proper training. A confined space permit (SECOR HS Form 302) will be used unless the client has a permit which takes precedence.
- Hot Work – A hot work permit (SECOR HS Form 615) - is required for any procedure that produces a spark, excessive heat, or requires welding or burning. Hot Work training is required for any SECOR employee involved in performing hot work such as welding or brazing. SECOR is responsible for ensuring that all subcontractors performing this type of work have had proper training.
- LOTO - A Lock Out / Tag Out - A “General Permit to Work” is to be obtained anytime there is a potential for release of hazardous energy from equipment or machinery that is being serviced or accessed. Hazardous energy may include electrical, mechanical, hydraulic or thermal energy. SECOR HS LOTO SOP #8 will be followed unless the client has a permit which takes precedence.
- Elevated Work – A “General Permit to Work” is required for any work performed 6 feet or more above a surface. Fall Protection training is required for employees working 6 feet or more above a surface.
- Other hazards such as chemical exposure, radiation, etc. The “General Permit to Work” is required.

The SECOR Project Manager is responsible for ensuring that all subcontractors performing this type of work have had proper training and have a full understanding of these procedures.

Daily safety meetings that reviews the job steps and associated hazards / mitigation of these hazards that will be completed that day. Job conditions should be assessed as part of these meetings and work processes changed as necessary to accommodate changing conditions. See the Production meeting template in the SECOR Generic HASP.

9.0 QUALITY CONTROL CHECKS AND ACCEPTANCE CRITERIA

- Quality Control Checks will be performed by the Project Manager or a designated representative (e.g., Mentor). Please see the Quality Assurance Manual: <http://intranet.secor.com/qualitymanagement> for more detail.

10.0 DOCUMENTATION

- 29 CFR 1910.120, "Waste Management and Emergency Response," CFR.
- SECOR Health and Safety Web site (internal focus – all Health and Safety SOP's): <http://intranet.secor.com/Health and Safety>
- SECOR Project Management Manual: <http://intranet.secor.com/qualitymanagement>
- SECOR QA Manual: <http://intranet.secor.com/qualitymanagement>

ACCEPTANCE

Author/Originator, **Pat Wilson, CIH**

Corporate Quality Assurance Officer, **Jim Kerr**

ATTACHMENT 8
ADDITIONAL PHYSICAL AND BIOLOGICAL CONCERNS

Heat Exhaustion

What are the symptoms?

HEADACHES; DIZZINESS OR LIGHTHEADEDNESS; WEAKNESS; MOOD CHANGES SUCH AS IRRITABILITY, CONFUSION, OR THE INABILITY TO THINK STRAIGHT; UPSET STOMACH; VOMITING; DECREASED OR DARK-COLORED URINE; FAINTING OR PASSING OUT, AND PALE, CLAMMY SKIN

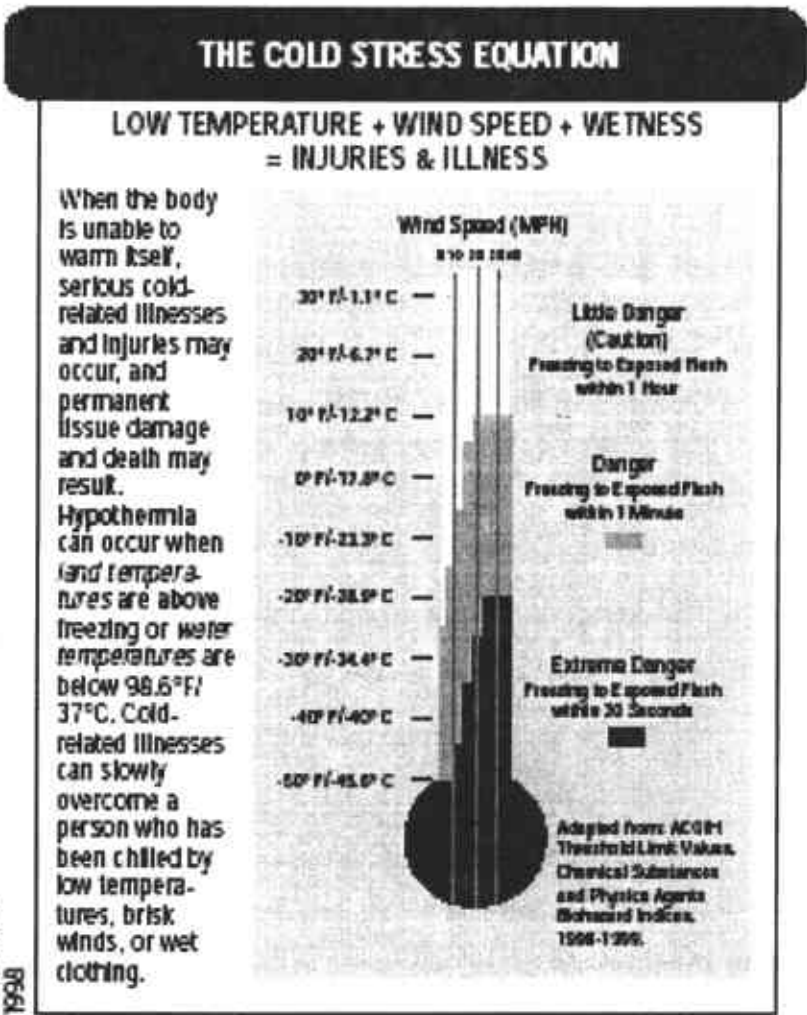
What should you do?

- Act immediately. If not treated, heat exhaustion may advance to heat stroke or death.
- Move the victim to a cool, shaded area to rest. Don't leave the person alone. If symptoms include dizziness or lightheadedness, lay the victim on his or her back and raise the legs 6 to 8 inches. If symptoms include nausea or upset stomach, lay the victim on his or her side.
- Loosen and remove any heavy clothing.
- Have the person drink cool water (about a cup every 15 minutes) unless sick to the stomach.
- Cool the person's body by fanning and spraying with a cool mist of water or applying a wet cloth to the person's skin.
- Call 911 for emergency help if the person does not feel better in a few minutes.

ATTACHMENT 8b
COLD STRESS



U.S. Department of Labor
Occupational Safety and Health Administration
OSHA 3156
1996



ATTACHMENT 8c BIOLOGICAL HAZARDS

SECOR

International Incorporated

Bee/Wasp Precautions

Revision Date: April 13, 2004

Purpose

Bees and similar organisms such as wasps, hornets and yellow jackets can cause significant injury, pain and/or discomfort during our work. This precaution has been developed to help avoid injury.

Application

We can encounter these organisms during a number of our tasks such as:

- Opening well vault covers
- Opening core or sample boxes
- Performing O & M in system compounds
- Working in tall grass, weeds and brush
- Performing site assessments (indoors and outdoors)

Yellow Jackets

Yellow Jackets are found throughout the United States. Yellow Jackets feed on insects, spiders and a wide variety of other food items. They are medium-sized, stout-bodied, and black with bright yellow bands. Yellow-jackets construct globular paper nests, usually in underground cavities. Favorite nesting places include rodent burrows, compost piles and wall voids.



Yellow Jackets are scavengers and frequently are found foraging around compost piles and garbage receptacles. Their activity can be discouraged in the vicinity of patios, parks, picnic and other

recreational areas by covering all food and disposing of waste in covered containers.

Paper Wasps

Paper wasps are about 1" in length, have a spindle-shaped body and are marked with a brown and yellow pattern. Paper wasps construct umbrella-shaped, single-layered nests with exposed cells. Nests may be built in trees and shrubs but frequently are found under building overhangs, in attics, barns, garages and sheds. These wasps are not considered overly aggressive and usually pose a threat only when their nests are disturbed. However, foraging wasps can cause considerable annoyance as they fly in and about entrances of buildings.



Snake Precautions

Revision Date: April 02, 2004

Purpose

Snakes can cause significant injury during our work. There are four species of poisonous snakes found in North America. Poisonous snake bites rarely cause death but still cause a serious level of illness and pain. The four poisonous snakes are the Copperhead, the Rattler (several types), the Cottonmouth and the Eastern Coral. Non-poisonous snakes can still bite and may cause bleeding, infection and scarring. This precaution has been developed to help avoid injury.

Application

We can encounter snakes during a number of our tasks such as:

- Opening well covers
- Opening core or sample boxes
- Performing site assessments (indoors and outdoors)
- Taking shoreline grab samples
- Cleaning and/or moving materials such as lumber, pipes, debris
- Cutting grass, weeds and underbrush

Geography



The Copperhead snake is found in Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Mississippi, Missouri, Nebraska, New Jersey, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Virginia and West Virginia.

There are many types of Rattlesnakes. There are Western, Eastern, Pygmy, Diamondback, Timber and several others. Rattlesnakes are found in Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey,



ATTACHMENT 8d
LOCKOUT TAGOUT (GENERAL GUIDANCE)

PIONEER TECHNOLOGY CENTER for SECOR

LOCKOUT / TAGOUT PROGRAM
(for the control of hazardous energy sources)

The person responsible for this program is Philip Plateow, CIH - Director of Industrial Hygiene and Health & Safety (DIHHS).

INTRODUCTION

This program is being implemented at SECOR in compliance with OSHA Regulation 29 CFR 1910.147. The goal of any Lock/Tagout program is to remind staff to:

- ✓ Achieve a "zero-energy state" on machines and equipment before servicing and maintenance is performed
- ✓ Prevent the unexpected startup or release of stored energy that could cause injury to employees.

1910.147 (1)

This standard establishes minimum performance requirements for the control of hazardous energy sources that are chemical, electrical, hydraulic, mechanical, pneumatic, spring-loaded, and thermal, or other energy source. Electrical hazard control are also addressed in our Electrical Safety policy following the guidelines established in OSHA Regulation 29 CFR 1910.333.

NOTE: IF an employee must either remove or bypass machine guards or other safety devices, resulting in exposure to hazards at the point of operation, OR the employee is required to place any part of their body in contact with a point of operation of the operational machine or piece of equipment, OR the employee is required to place any part of their body into a danger zone associated with a machine operating cycle, THEN the energy control procedure as outlined in this program MUST BE FOLLOWED.

RESPONSIBILITY

SECOR Management will designate "authorized" employees who will perform contract construction and related services at our project sites. Clients may also designate authorized individuals to work on systems at their locations. SECOR staff must coordinate with our clients to ensure that we address this vital concern properly.



December 28, 2001

SECTION 20

Page 1

ATTACHMENT 9
MATERIAL SAFETY DATA SHEETS

ATTACHMENT 10
SUBCONTRACTOR'S HEALTH AND SAFETY PLAN

(Instructions to Project Manager and Subcontractor: Please ensure that all subcontractors provide their own site-specific HASP for their portion of the work. This should be attached behind this page so that it blends smoothly with the SECOR portion of the HASP. The subcontractor's HASP must be site-specific and discuss all of the hazards to which their employees may be exposed, and the appropriate means they will follow to avoid the exposure to the extent possible. SECOR's HASP can be used as a guide for developing the subcontractor's HASP, but cannot be used exclusively since the subcontractor's employees may face exposures and risks not covered by the SECOR HASP.

Subcontractors must understand that our team goal is zero incidents of all types. If the subcontractor has any questions, he/she may contact Philip Platcow, SECOR's Director of Health and Safety at (617) 232-7355 for guidance and direction. Cooperation on this requirement is greatly appreciated.)

ATTACHMENT 11
DAILY PRODUCTION HEALTH & SAFETY BRIEFING

SITE HEALTH & SAFETY QUIZ

Name: Louis Wenz

Date: 10/5/00

Company: Energy Drilling

1. The gathering location is located where?

off site around corner

2. Unsafe conditions, near-losses and injuries should be reported. . .

- a. At the end of the work day
- b. Never
- c. Prior to beginning another task
- d. Immediately

9. On what basis should you review/create JSA's?

- a. Weekly
- b. Only when starting a new task
- c. Daily before conducting any tasks, when starting a new shift, or when conducting new tasks
- d. none of the above

10. MSDS sheets for *all* chemicals on site are located. . .

- a. In the HASP
- b. Somewhere on-site
- c. They do not exist
- d. At the nearest SECOR office

11. When working in an Exclusion Zone, Standard Site Personal Protective Equipment (PPE) includes. . .

- a. Safety glasses with side shields, ball cap, and steel toed boots
- b. Safety glasses with side shields, sports shoes
- c. Safety glasses with side shields, long pants, long sleeved shirts, hard hat, steel toed/shank boots, and high visibility safety vest
- d. UV protective glasses, steel toed boots, and hard hat
- e. Tank top and shorts

6. What is Stop Work Authority?

- i. Responsibility of the supervisor to stop work at the end of the day
- j. A agency similar to OSHA that can stop work on any environmental project
- k. There is no such thing
- l. Responsibility of all CVX contractors to stop work when unsafe or changing conditions or actions are noticed.

7. State the location of the nearest hospital....

8. With whom do you check in with at the gathering location?

312
Safety Officer / crew

9. Where are emergency phone numbers listed?

Safety sheet

- a. In the yellow pages
- b. At the office
- c. In the mind of the Health and Safety officer
- d. In the HASP

10. When must equipment inspection logs be completed?

Before & after each day

11. What items are required for every person on-site?

- a. First Aid Kit
- b. Fire Extinguisher
- c. Bloodborne Pathogen Kit & Eyewash bottles
- d. All of the above

12. When must the pre-drilling/excavation checklist and utility clearance log be completed?

Before drilling

13. List at least one chemical of concern for this site and what monitoring is being conducted for this chemical?

Benzene

14. Who do you call in the event of an emergency if 911 is busy?

Fire / Police

15. Name at least 2 of the general hazards for the site and the critical actions required to avoid exposure to them? *chemical wear gloves steel to boots, ~~and~~ wardrobe*
 Examples: slips/trips/falls, vehicle traffic, biological hazards (bees/wasps/dogs/snakes/spiders), moving parts, pinch points, noise heat/cold stress.

16. What is each person's responsibility if there is a spill?

Stop work

17. For this site, what is the action level for donning respirators? *5 ppm > 5 min*

18. Who is responsible for H & S if the SHSO leaves the site or is injured?

Paul John

19. When do you need to perform a PPE/SPSA?

At work

20. Where are the Emergency Shut Off's for the utilities located on site?

In front of store

21. Name 3 things you can never do in the exclusion zone.

Smoke / take off Hard Hat / eat

22. What type fire extinguisher is required on site and in the vehicles?

ABC

I have read and understand all aspects of this Site Health & Safety Quiz.

Signature: _____

ATTACHMENT 11b
HEALTH AND SAFETY QUIZ

SITE HEALTH & SAFETY QUIZ

Name: Jesse Fortison

Date: 10/4/06

Company: George Drilling

1. The gathering location is located where?

Sidewalk near trailer

2. Unsafe conditions, near-losses and injuries should be reported. . .

- a. At the end of the work day
- b. Never
- c. Prior to beginning another task
- d. Immediately

3. On what basis should you review/create JSA's?

- a. Weekly
- b. Only when starting a new task
- c. Daily before conducting any tasks, when starting a new shift, or when conducting new tasks
- d. none of the above

4. MSDS sheets for *all* chemicals on site are located. . .

- a. In the HASP
- b. Somewhere on-site
- c. They do not exist
- d. At the nearest SECOR office

5. When working in an Exclusion Zone, Standard Site Personal Protective Equipment (PPE) includes. . .

- a. Safety glasses with side shields, ball cap, and steel toed boots
- b. Safety glasses with side shields, sports shoes
- c. Safety glasses with side shields, long pants, long sleeved shirts, hard hat, steel toed/shank boots, and high visibility safety vest
- d. UV protective glasses, steel toed boots, and hard hat
- e. Tank top and shorts

6. What is Stop Work Authority?

- a. Responsibility of the supervisor to stop work at the end of the day
- b. A agency similar to OSHA that can stop work on any environmental project
- c. There is no such thing
- d. Responsibility of all CVX contractors to stop work when unsafe or changing conditions or actions are noticed.

7. State the location of the nearest hospital. . .

go back on Park L. on Belmen + R. 31st

{Chevron Environmental Management Company
SECOR Project No. 04CH.93415.00

SECOR International Incorporated
04CH.93415.00-Baseline Assessment.doc

8. With whom do you check in with at the gathering location?

Site & Safety Officer or John

9. Where are emergency phone numbers listed?

- a. In the yellow pages
- b. At the office
- c. In the mind of the Health and Safety officer
- d. In the HASP

10. When must equipment inspection logs be completed?

daily

11. What items are required for every person on-site?

- a. First Aid Kit
- b. Fire Extinguisher
- c. Bloodborne Pathogen Kit & Eyewash bottles
- d. All of the above

12. When must the pre-drilling/excavation checklist and utility clearance log be completed?

daily

13. List at least one chemical of concern for this site and what monitoring is being conducted for this chemical?

Benzene

14. Who do you call in the event of an emergency if 911 is busy?

Ambulance, Police, Fire department

15. Name at least 2 of the general hazards for the site and the critical actions required to avoid exposure to them?

Examples: slips/trips/falls, vehicle traffic, biological hazards (bees/wasps/dogs/snakes/spiders), moving parts, pinch points, noise heat/cold stress.
 Hurt back - use proper lifting techniques
 Pinch points - keep hands away

16. What is each person's responsibility if there is a spill?

Keep it contained

17. For this site, what is the action level for donning respirators?

5 ppm for five minutes

18. Who is responsible for H & S if the SHSO leaves the site or is injured?

everyone on site

19. When do you need to perform a PPE/SPSA?

daily

20. Where are the Emergency Shut Off's for the utilities located on site?

in front of building

21. Name 3 things you can never do in the exclusion zone.

eat, drink, smoke

22. What type fire extinguisher is required on site and in the vehicles?

ABC

I have read and understand all aspects of this Site Health & Safety Quiz.

Signature: John M. Felt

SITE HEALTH & SAFETY QUIZ

Name: John D. Hancock

Date: 10/4/06

Company: Grogg

1. The gathering location is located where?

Sidewalk - SW corner of property

2. Unsafe conditions, near-losses and injuries should be reported. . .

- a. At the end of the work day
- b. Never
- c. Prior to beginning another task
- d. Immediately

6. On what basis should you review/create JSA's?

- a. Weekly
- b. Only when starting a new task
- c. Daily before conducting any tasks, when starting a new shift, or when conducting new tasks
- d. none of the above

7. MSDS sheets for all chemicals on site are located. . .

- a. In the HASP
- b. Somewhere on-site
- c. They do not exist
- d. At the nearest SECOR office

8. When working in an Exclusion Zone, Standard Site Personal Protective Equipment (PPE) includes. . .

- a. Safety glasses with side shields, ball cap, and steel toed boots
- b. Safety glasses with side shields, sports shoes
- c. Safety glasses with side shields, long pants, long sleeved shirts, hard hat, steel toed/shank boots, and high visibility safety vest
- d. UV protective glasses, steel toed boots, and hard hat
- e. Tank top and shorts

6. What is Stop Work Authority?

- e. Responsibility of the supervisor to stop work at the end of the day
- f. A agency similar to OSHA that can stop work on any environmental project
- g. There is no such thing
- h. Responsibility of all CVX contractors to stop work when unsafe or changing conditions or actions are noticed.

7. State the location of the nearest hospital.... 31st St

Low Behout R on 31st

8. With whom do you check in with at the gathering location?

John g site & safety officer

9. Where are emergency phone numbers listed?

- a. In the yellow pages
- b. At the office
- c. In the mind of the Health and Safety officer
- d. In the HASP

10. When must equipment inspection logs be completed?

daily

11. What items are required for every person on-site?

- a. First Aid Kit
- b. Fire Extinguisher
- c. Bloodborne Pathogen Kit & Eyewash bottles
- d. All of the above

12. When must the pre-drilling/excavation checklist and utility clearance log be completed?

daily

13. List at least one chemical of concern for this site and what monitoring is being conducted for this chemical?

Benzene

14. Who do you call in the event of an emergency if 911 is busy? *fire Department, Police*

15. Name at least 2 of the general hazards for the site and the critical actions required to avoid exposure to them? *proper lifting techniques, rotation of angles*
 Examples: slips/trips/falls, vehicle traffic, biological hazards (bees/wasps/dogs/snakes/spiders), moving parts, pinch points, noise heat/cold stress.

16. What is each person's responsibility if there is a spill? *Report, contain it*

17. For this site, what is the action level for donning respirators? *5 ppm for 5 min*

18. Who is responsible for H & S if the SHSO leaves the site or is injured? *you*

19. When do you need to perform a PPE/SPSA? *all the time*

20. Where are the Emergency Shut Off's for the utilities located on site? *inside kiosk*

21. Name 3 things you can never do in the exclusion zone. *smoking, eating, drinking*

22. What type fire extinguisher is required on site and in the vehicles? *ABC*

I have read and understand all aspects of this Site Health & Safety Quiz.

Signature: *John Hancock*

ATTACHMENT 11c
DISCUSSION IDEAS FOR THE DAILY PRODUCTION H&S MEETING

- Emergency response plan, emergency vehicle (full of fuel) and muster point ✓
- Route to medical aid (hospital or other facility) ✓
- Work hours, is night work planned? ✓
- Hand signals around heavy equipment ✓
- Traffic control ✓
- Pertinent Legislation and Regulations ✓
- Above and below ground utilities (energized or de-energized) ✓
- Material Safety Data Sheets (MSDS) ✓
- To who, what, why, and when to report an incident ✓
- Fire extinguisher and first aid kit locations
- Excavations, trenching sloping and shoring
- Personal protective equipment (PPE) and training ✓
- Safety equipment and training ✓
- Emergency telephone and telephone numbers (may not be 911) ✓
- Eye wash stations and washroom locations
- Energy lock-out/tag-out procedures. Location of "kill Switches" etc. ✓
- Weather restrictions ✓
- Site security. Site hazards. Is special waste present.
- Traffic and people movements
- Working around machinery (both static and mobile)
- Sources of ignition, static electricity etc.
- Stings, bites, large animals and other naturally related injuries
- Working above grade
- Working at isolated sites
- Decontamination procedures (both personnel and equipment)
- Falls, trips, sprains and lifting injuries (how to prevent)
- Right to refuse unsafe work ✓ SWA
- Adjacent property issues (residence, business, school, day care center)

ATTACHMENT 12

HEALTH AND SAFETY PLAN
ACKNOWLEDGMENT AND AGREEMENT FORM

HEALTH AND SAFETY PLAN ACKNOWLEDGMENT AND AGREEMENT FORM

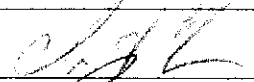
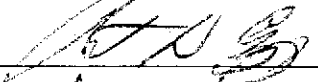
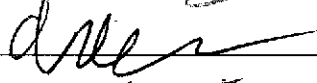

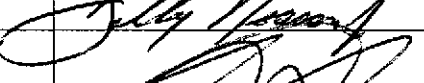
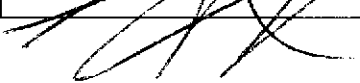
(All SECOR and subcontractor personnel must sign.)

“Zero Tolerance for Incident of ANY Kind. Work Together to Ensure A SAFE and High Quality Project

This Health and Safety Plan has been developed for the purpose of informing SECOR employees of the hazards they are likely to encounter on the project site, and the precautions they should take to avoid those hazards. Sub-contractors and other contractors at the site must develop their own Health and Safety Plan to address the hazards faced by their own employees. SECOR has provided a copy of this Plan to contractors in the interest of full disclosure of hazards of which we may be aware, and to satisfy SECOR's responsibilities under the Occupational Safety and Health Administration (OSHA) Hazard Communication standard. Similarly, contractors are required to inform SECOR of any hazards of which they are aware or that the contractor's work on site might possibly pose to SECOR employees, including (but not limited to) the Material Safety Data Sheets for chemicals the contractor may bring on-site. This plan should NOT be understood by contractors to provide information on all of the hazards to which a contractor's employees may be exposed as a result of their work.

I further certify that I have received training and medical surveillance according to the Health and Safety Plan and the OSHA Standard on Hazardous Waste Operations and Emergency Response (29 CFR 1910.120):

All parties conducting site activities are required to coordinate their activities and practices with the project Site Health and Safety Officer. Your signature below confirms that you have read and understand the hazards discussed in this Plan, and understand that sub-contractors and contractors must develop their own Health and Safety Plan for their employees. You also understand you could be prohibited by the Site Health and Safety Officer or other SECOR personnel from working on this project for not complying with any aspect of this Health and Safety Plan.

Name	Title	Signature	Company	Date
Chris Culver	Locator		CASE Brothers	8-14-06
Robert Cruz	Utility Locator		CASE Brothers	10-2-06
Andy VanSelle-Ward	Project Scientist		SECOR	10/2/06
Armando Torres	A-K OPERATOR		GDT	10-2-06
Bobby Deason Jr.	Driller		Gregg Drilling	10-2-06
AMERZAWA	DRILLER DRILLER		own SECOR	10/2/06

ATTACHMENT 13
HASP MODIFICATION LOG

**APPENDIX C
BORING CLEARANCE FORM**

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: 04CH 73415-00 Project #: 9-3415 Chevron BASELINE

Borehole #s Reviewed: BA-01 Date: 8/14/06

Clearance Inspected by: [Signature] Reviewed by: [Signature]
(Contractor/Consultant Rep.) (Contractor/Consultant PM Initial)

Yes No

- 1. Is a scaled site plan showing the proposed borehole locations attached to this form?
- 2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
- 3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
- 4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
- 5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
- 6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
- 7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
- 8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
- 9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
- 10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
- 11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig?
- 12. Have all appropriate permits been obtained?
- 13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig?
- 14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)?
- 15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

Questions 1 through 12 must be answered prior to mobilizing a drilling rig to the site. Questions 13 through 15 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 12, 13 or 14 or answered YES to questions 5, 8, 9, 10, 11 or 15. Contact the EMC Contractor/Consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

Reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: 9-3415 Project #: 0424.93415.00.0001

Borehole #s Reviewed: BA-02 Date: 8/14/06

Clearance Inspected by: [Signature] (Contractor/Consultant Rep.)
Reviewed by: [Signature] (Contractor/Consultant PM Initial)

Yes No

1. Is a scaled site plan showing the proposed borehole locations attached to this form?
2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig?
12. Have all appropriate permits been obtained?
13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig?
14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)?
15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

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Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: 9-3415 Project #: 0404, 93415.00

Borehole #s Reviewed: BA-02 Date: 10/3-4

Clearance Inspected by: [Signature] Reviewed by: [Signature]
(Contractor/Consultant Rep.) (Contractor/Consultant PM Initial)

Yes No

1. Is a scaled site plan showing the proposed borehole locations attached to this form?
2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig?
12. Have all appropriate permits been obtained?
13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig?
14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)?
15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

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Reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: 9-3415 Project #: _____

Borehole #s Reviewed: BA-04A Date: 8/14/06

Clearance Inspected by: [Signature] (Contractor/Consultant Rep.)
Reviewed by: [Signature] (Contractor/Consultant PM Initial)

- | Yes | No | |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is a scaled site plan showing the proposed borehole locations attached to this form? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig? <u>NA CANOPY, WE HAVE ONE OK</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. Have all appropriate permits been obtained? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a <u>minimum depth of 8 feet below grade</u> before using the drill rig? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material? |

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Reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: 9-3415 Project #: 04CH 93415.00.0001

Borehole #s Reviewed: BA-04 B Date: 8/14/06

Clearance Inspected by: [Signature] Reviewed by: [Signature]
(Contractor/Consultant Rep.) (Contractor/Consultant PM Initial)

Yes No

1. Is a scaled site plan showing the proposed borehole locations attached to this form?
2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig?
12. Have all appropriate permits been obtained?
13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig?
14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)?
15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

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reference - AntiEntropies, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: 9-3415 Project #: 0424.97415.00

Borehole #s Reviewed: BA-05A Date: 8/14/06

Clearance Inspected by: [Signature] Reviewed by: [Signature]
(Contractor/Consultant Rep.) (Contractor/Consultant PM Initial)

Yes No

1. Is a scaled site plan showing the proposed borehole locations attached to this form?
2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig?
12. Have all appropriate permits been obtained?
13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig? 7.5 FT
14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)?
15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

Questions 1 through 12 must be answered prior to mobilizing a drilling rig to the site. Questions 13 through 15 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 12, 13 or 14 or answered YES to questions 5, 8, 9, 10, 11 or 15. Contact the EMC Contractor/Consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

Reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: 9-3415 Project #: 0404-93415.00

Borehole #s Reviewed: BA-05B Date: 10/3/06

Clearance Inspected by: [Signature] Reviewed by: [Signature]
(Contractor/Consultant Rep.) (Contractor/Consultant PM Initial)

Yes No

1. Is a scaled site plan showing the proposed borehole locations attached to this form?
2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig?
12. Have all appropriate permits been obtained?
13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig? 7.5
14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)?
15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

Questions 1 through 12 must be answered prior to mobilizing a drilling rig to the site. Questions 13 through 15 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 12, 13 or 14 or answered YES to questions 5, 8, 9, 10, 11 or 15. Contact the EMC Contractor/Consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

Reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: BA-06 93415 Project #: 07CH.93415.00.0001

Borehole #s Reviewed: BA-06 Date: 8/14/06 - 10/3

Clearance Inspected by: [Signature] J.M. Reviewed by: [Signature]
(Contractor/Consultant Rep.) (Contractor/Consultant PM Initial)

Yes No

1. Is a scaled site plan showing the proposed borehole locations attached to this form?
2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig?
12. Have all appropriate permits been obtained?
13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig?
14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)?
15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

Questions 1 through 12 must be answered prior to mobilizing a drilling rig to the site. Questions 13 through 15 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 12, 13 or 14 or answered YES to questions 5, 8, 9, 10, 11 or 15. Contact the EMC Contractor/Consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

Reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

CANCELLED

Chevron Site #: 9-3415 Project #: ALCH. 93415. 00-0001

Borehole #s Reviewed: BA-07-1000 Date: 8/14/06

Clearance Inspected by: [Signature] (Contractor/Consultant Rep.)
Reviewed by: [Signature] (Contractor/Consultant PM Initial)

THIS BOREHOLE ABANDONED DUE TO UTILITY CONFLICTS

- | Yes | No | |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is a scaled site plan showing the proposed borehole locations attached to this form? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench? |
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. Have all appropriate permits been obtained? |
| <input type="checkbox"/> | <input type="checkbox"/> | 13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a <u>minimum depth of 8 feet below grade</u> before using the drill rig? <u>NA</u> |
| <input type="checkbox"/> | <input type="checkbox"/> | 14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)? <u>NA</u> |
| <input type="checkbox"/> | <input type="checkbox"/> | 15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material? <u>NA</u> |

Questions 1 through 12 must be answered prior to mobilizing a drilling rig to the site. Questions 13 through 15 should be answered prior to drilling by the field staff. DO NOT DRILL, if you answered NO to questions 1, 2, 3, 4, 6, 7, 12, 13 or 14 or answered YES to questions 5, 8, 9, 10, 11 or 15. Contact the EMC Contractor/Consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

Reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: 9-3415 Project #: 04CH.93415.00

Borehole #s Reviewed: BA-08 Date: 8/14/06

Clearance Inspected by: [Signature] (Contractor/Consultant Rep.)
Reviewed by: [Signature] (Contractor/Consultant PM Initial)

Yes No

- 1. Is a scaled site plan showing the proposed borehole locations attached to this form?
- 2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
- 3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
- 4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
- 5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
- 6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
- 7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
- 8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
- 9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
- 10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
- 11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig?
- 12. Have all appropriate permits been obtained?
- 13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig?
- 14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)?
- 15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

Questions 1 through 12 must be answered prior to mobilizing a drilling rig to the site. Questions 13 through 15 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 12, 13 or 14 or answered YES to questions 5, 8, 9, 10, 11 or 15. Contact the EMC Contractor/Consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

Reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: 9-3415 Project #: 04ct1.93415.00.000

Borehole #s Reviewed: BA-09 Date: 8/14/06

Clearance Inspected by: [Signature] (Contractor/Consultant Rep.)
Reviewed by: [Signature] (Contractor/Consultant PM Initial)

Yes No

1. Is a scaled site plan showing the proposed borehole locations attached to this form?
2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig?
12. Have all appropriate permits been obtained?
13. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig? HANG AUGER TO 15 FT
14. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)? DGS
15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

Questions 1 through 12 must be answered prior to mobilizing a drilling rig to the site. Questions 13 through 15 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 12, 13 or 14 or answered YES to questions 5, 8, 9, 10, 11 or 15. Contact the EMC Contractor/Consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

Chevron EMC Retail & Terminal Business Unit

BOREHOLE CLEARANCE REVIEW (Specific for service station assessments)

Chevron Site #: BT 93415 Project #: 04CH-93415-0

Borehole #s Reviewed: BA1002 Date: 8/14/06

Clearance Inspected by: [Signature] Reviewed by: [Signature]
(Contractor/Consultant Rep.) (Contractor/Consultant PM Initial)

Yes No

1. Is a scaled site plan showing the proposed borehole locations attached to this form?
2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevron's building plans?
3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans?
4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here if applicable to this job.
5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager).
6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here if applicable to this job.
7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified EMC'S Contractor/Consultant that they do not have any facilities near the proposed borehole locations?
8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers?
9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter?
10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench?
11. Do any of the proposed borehole locations lie beneath overhead utility lines or canopies that may interfere with the drilling rig? LAR ON-SITE
12. Have all appropriate permits been obtained?
13. NA Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a minimum depth of 8 feet below grade before using the drill rig? 14ft by 5 with HAND Auger
14. NA Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using (at least 120% the drilling tool diameter)? NA
15. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material?

Questions 1 through 12 must be answered prior to mobilizing a drilling rig to the site. Questions 13 through 15 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 12, 13 or 14 or answered YES to questions 5, 8, 9, 10, 11 or 15. Contact the EMC Contractor/Consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

Reference - AntiEntropics, Inc. in coordination with National Drilling Association, Environmental Remediation Drilling Safety Guideline, Revision 0, 2005.

APPENDIX D
SOIL BORING LOGS

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-01 PAGE 1 OF 1



DRILLING: STARTED **10/3/06** COMPLETED: **10/4/06**
 INSTALLATION: STARTED **10/3/06** COMPLETED: **10/4/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Air Knife / Limited Access Rig**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **NE**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): ---
 LOGGED BY: **J. Mason**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **25.0**
 WELL DEPTH (ft): ---
 BOREHOLE DIAMETER (in): **4**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			8" Concrete Core/Aggregate							Concrete
			CLAY AND GRAVEL							
1040 5		SM	SILTY SAND ; SM; 7.5YR 5/8; strong brown; fine to medium-grained; 20% fines; 5% subrounded gravel; moist		1040 BA-1-5	0.5	-	0.0	5	
0900 10			...same as above		0900 BA-1-10	1.5	-	0.2	10	Backfilled with 10% Bentonite - Type II-V Cement
0905 15			...same as above; 7.5YR 5/6; fine-grained; 10% sub-angular gravel		0905 BA-1-15	1.5	-	0.4	15	
0910 20			...same as above		0910 BA-1-20	1.5	-	0.2	20	
0915 25			No recovery Groundwater Not Encountered (NE) Boring Backfilled with 10% Bentonite - Type II - IV Cement Refusal at 25 feet. Hole terminated at 25 feet.			0	-	-	25	

GEO FORM 304 CHEVRON 9-3415 GRJ SECOR INTL_GDT 10/25/06

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-02 PAGE 1 OF 1



DRILLING: STARTED **10/3/06** COMPLETED: **10/5/06**
 INSTALLATION: STARTED **10/3/06** COMPLETED: **10/5/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Air Knife / Limited Access Rig**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **NE**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): **--**
 LOGGED BY: **J. Mason**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **28.0**
 WELL DEPTH (ft): **--**
 BOREHOLE DIAMETER (in): **4**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			8" Concrete / Aggregate							Concrete
			CLAY							
1155 5		SM	SILTY SAND ; SM; fine-grained; 20% fines		1155 BA-2-5	0.5		0.5	5	
1150 10			...same as above; 7.5YR 6/4; light brown; 30% fines; 10% subrounded gravel; dry		1150 BA-2-10	1.5		5.4	10	Backfilled with 10% Bentonite - Type II-V Cement
1155 15		SM	SILTY SAND WITH GRAVEL ; SM; 7.5YR 5/4 brown; fine-grained; 25% fines; 15% subrounded gravel; dry		1155 BA-2-15	1.5		27.4	15	
1200 20			...same as above		1200 BA-2-20	1.5		26.2	20	
1205 25		SM	SILTY SAND ; SM; 7.5YR 5/3 brown; fine-grained; 30% fines; 10% subrounded gravel; moist		1205 BA-2-25	1.5		123	25	
30			Groundwater Not Encountered Boring Backfilled with 10% Bentonite - Type II - IV Cement Refusal at 28 feet. Hole terminated at 28 feet.						30	

GEO FORM 304 CHEVRON 9-3415.GPJ SECOR INTL GDT 10/25/06

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

DRILLING: STARTED **10/3/05** COMPLETED: **10/5/06**
 INSTALLATION: STARTED **10/3/05** COMPLETED: **10/5/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Air Knife / Limited Access Rig**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

WELL / PROBEHOLE / BOREHOLE NO: **BA-03** PAGE 1 OF 1

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **NE**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): **--**
 LOGGED BY: **J. Mason**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **28.0**
 WELL DEPTH (ft): **--**
 BOREHOLE DIAMETER (in): **4**
 CHECKED BY:



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			7" Concrete / Aggregate							Concrete
		CL	CLAY WITH GRAVEL ; CL							
1250 5		SM	SILTY SAND ; SM; 7.5YR 5/8; strong brown; fine-grained; 20% fines; moist		1250 BA-3-5	0.5		0.8	5	
1335 10			...same as above		1335 BA-3-10	1.5		1.8	10	Backfilled with 10% Bentonite - Type II-V Cement
1340 15		SM	SILTY SAND WITH GRAVEL ; SM; 7.5YR 5/4 brown; fine-grained; 20% fines; 20% subrounded gravel; moist		1340 BA-3-15	1.5		3.3	15	
1345 20		SM	SILTY SAND ; SM; 7.5YR 6/4 light brown; fine-grained; 40% silt; moist		1345 BA-3-20	1.5		81.6	20	
1355 25			...same as above; 7.5YR 5/4; brown; fine to medium-grained; 30% fines; 10% subrounded gravel; moist		1355 BA-3-25	1.5		237	25	
30			Groundwater Not Encountered Boring Backfilled with 10% Bentonite - Type II - IV Cement Refusal at 28 feet. Hole terminated at 28 feet.						30	

GEO FORM 304 - CHEVRON 9-3415.GPJ SECOR INTL.GDT 10/25/06

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-04 PAGE 1 OF 1



DRILLING: STARTED **10/3/06** COMPLETED: **10/5/06**
 INSTALLATION: STARTED **10/3/06** COMPLETED: **10/5/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Air Knife / Limited Access Rig**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **NE**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): ---
 LOGGED BY: **J. Mason**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **26.5**
 WELL DEPTH (ft): ---
 BOREHOLE DIAMETER (in): **4**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			7' concrete / aggregate							Concrete
			CLAY WITH GRAVEL							
1415 5		SM	SILTY SAND ; SM; 7.5YR 5/8; strong brown; 20% fines; moist		1415 BA-4-5	0.5	-	0.0	5	
1440 10			...same as above; 7.5YR 5/6; 20% fines; 10% subangular gravel; dry	X	1440 BA-4-10	1.5	-	3.3	10	Backfilled with 10% Bentonite - Type II-V Cement
1445 15			...same as above; 7.5YR 4/6; fine to medium-grained; 40% silt; moist	X	1445 BA-4-15	1.5	-	2.4	15	
1455 20			...same as above; 7.5YR 5/4; 30% fines; 10% subrounded gravel	X	1455 BA-4-20	1.5	-	1.6	20	
1500 25			...same as above	X	1500 BA-4-25	1.5	-	1.1	25	
			Groundwater Not Encountered Boring Backfilled with 10% Bentonite - Type II - IV Cement Refusal at 25 feet. Hole terminated at 26.5 feet.							

GEO FORM 304 CHEVRON 9-3415.GPJ SECOR.INTL.GDT 10/25/06

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-05 PAGE 1 OF 1



DRILLING: STARTED **10/3/06** COMPLETED: **10/3/06**
 INSTALLATION: STARTED **10/3/06** COMPLETED: **10/3/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Air Knife / Limited Access Rig**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **NE**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): ---
 LOGGED BY: **J. Mason**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **20.0**
 WELL DEPTH (ft): ---
 BOREHOLE DIAMETER (in): **4**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			7' concrete / aggregate							Concrete
			CLAY							
1550 5		SM	SILTY SAND ; SM; 7.5YR 6/4 light brown; fine-grained; 20% fines; 5% subrounded gravel; moist		1550 BA-5-5	0.5	-	0.4	5	
1620 10		SM	SILTY SAND WITH GRAVEL ; SM; 7.5YR 4/6; strong brown; fine-grained; 35% fines; 15% subrounded gravel; dry		1620 BA-5-10	1.5	-	0.6	10	Backfilled with 10% Bentonite - Type II-V Cement
1630 15		SM	SILTY SAND ; SM; 7.5YR 5/4 brown; fine to medium-grained; 25% fines; 5% subrounded gravel; moist		1630 BA-5-15	1.5	-	1.1	15	
1635 20			...same as above		1635 BA-5-20	1.5	-	0.9	20	
			Groundwater Not Encountered Boring Backfilled with 10% Bentonite - Type II - IV Cement Refusal at 20 feet. Hole terminated at 21.5 feet.						25	

GEO FORM 304 CHEVRON 9-3415.GPJ SECOR INTL.GDT 10/25/06

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-06 PAGE 1 OF 1



DRILLING: STARTED **10/3/06** COMPLETED: **10/4/06**
 INSTALLATION: STARTED **10/3/06** COMPLETED: **10/4/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Air Knife / Limited Access Rig**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **NE**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): ---
 LOGGED BY: **J. Mason**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **28.0**
 WELL DEPTH (ft): ---
 BOREHOLE DIAMETER (in): **4**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			8" concrete							Concrete
0940 5		SM	SILTY SAND ; SM; 7.5YR 5/8; strong brown; fine grained; 20% fines; moist		0940 BA-6-5	0.5	-	1.3	5	
0745 10			...same as above; 5YR 5/6; yellowish red; fine to medium-grained; 10% subangular gravel; no odor		0745 BA-6-10	1.5	-	2.2	10	Backfilled with 10% Bentonite - Type II-V Cement
0750 15			...same as above		0750 BA-6-15	1.5	-	2.7	15	
0755 20		SM	SILTY SAND WITH GRAVEL ; SM; 5YR 4/6 yellowish red; fine to medium-grained; 15% fines; 15% subrounded gravel; moist		0755 BA-6-20	1.5	-	1.7	20	
0800 25		SP-SC	SAND WITH CLAY AND GRAVEL ; SP-SC; 10YR 4/4 dark yellowish brown; medium to coarse-grained; 15% subrounded gravel; moist		0800 BA-6-25	1.5	-	5.0	25	
			Groundwater Not Encountered Boring Backfilled with 10% Bentonite - Type II - IV Cement Refusal at 28 feet. Hole terminated at 28 feet.							

GEO FORM 304 CHEVRON 9-3415.GPJ SECOR INTL GDT 10/25/06

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-07 PAGE 1 OF 1



SECOR

DRILLING: STARTED **10/3/06** COMPLETED: **10/3/06**
 INSTALLATION: STARTED **10/3/06** COMPLETED: **10/3/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Air Knife / Limited Access Rig**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **2.0**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): **--**
 WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **4**
 LOGGED BY: **J. Mason** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
5									5
10									10
15			Boring cancelled as per Skip Pouncey and John Mason due to utilities obstructing borehole						15
20									20
25			Hole terminated at 2 feet.						25

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-08 PAGE 1 OF 2



DRILLING: STARTED **10/3/06** COMPLETED: **10/4/06**
 INSTALLATION: STARTED **10/3/06** COMPLETED: **10/4/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Air Knife / Limited Access Rig**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.0**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
 WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **4**
 LOGGED BY: **J. Mason** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (units)	Depth (feet)	Borehole Backfill
			7' concrete							Concrete
			CLAY WITH GRAVEL							
0815 5		SM	SILTY SAND ; SM; 7.5YR 5/8; strong brown; fine-grained; 20% silt; damp; no odor		0815 BA-8-5	0.5	-	0.7	5	
1440 10			...same as above; 7.5YR 5/2; brown; 20% fines; 10% subangular gravel; moist		1440 BA-8-10	1.5	-	0.7	10	Backfilled with 10% Bentonite - Type II-V Cement
1450 15			...same as above		1450 BA-8-15	1.5	-	1.2	15	
1500 20		SM	SILTY SAND WITH GRAVEL ; SM; 7.5YR 4/6; strong brown; fine-grained; 15% silt; 15% subangular gravel; moist; no odor		1500 BA-8-20	1.5	-	1.4	20	
1505 25		GM	SILTY GRAVEL WITH SAND ; GM; 7.5YR 4/6; strong brown; 30% fine to medium-grained sand; 20% silt; moist		1505 BA-8-25	1.5	-	1.3	25	

GEO FORM 304 CHEVRON 9-3415.GPJ SECOR INTL.GDT 10/25/06

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-08 PAGE 2 OF 2



DRILLING: STARTED **10/3/06** COMPLETED: **10/4/06**
 INSTALLATION: STARTED **10/3/06** COMPLETED: **10/4/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Air Knife / Limited Access Rig**
 DRILLING METHOD: **HSA**
 SAMPLING EQUIPMENT: **Split Spoon**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **30.0**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **4**
 LOGGED BY: **J. Mason** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
1515			.. same as above		1515 BA-8-30	1.5		1.4		
35			Groundwater Not Encountered Boring Backfilled with 10% Bentonite - Type II - IV Cement Refusal at 30 feet. Hole terminated at 31.5 feet.						35	
40									40	
45									45	
50									50	
55									55	

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-09 PAGE 1 OF 1



SECOR

DRILLING: STARTED **10/4/06** COMPLETED: **10/4/06**
 INSTALLATION: STARTED **10/4/06** COMPLETED: **10/4/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Hand Auger**
 DRILLING METHOD: **Hand Auger**
 SAMPLING EQUIPMENT: **Grab Sample**

NORTHING (ft):
 EASTING (ft):
 LATITUDE:
 LONGITUDE:
 GROUND ELEV (ft):
 TOC ELEV (ft):
 INITIAL DTW (ft): **NE**
 BOREHOLE DEPTH (ft): **15.0**
 STATIC DTW (ft): **NE**
 WELL DEPTH (ft): **---**
 WELL CASING DIAMETER (in): **---**
 BOREHOLE DIAMETER (in): **4**
 LOGGED BY: **J. Mason**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			8" concrete							Concrete
			CLAY							
1205 5		SM	SILTY SAND ; SM; 7.5YR 5/8; strong brown; fine grained; 20% silt; moist		1205 BA-9-5	0.5	-	0.0	5	
1225 10			.. same as above; 7.5YR 5/3; 10% subangular gravel; moist		1225 BA-9-10	0.5	-	0.0	10	Backfilled with 10% Bentonite - Type II-V Cement
1350 15			...same as above Groundwater Not Encountered Boring Backfilled with 10% Bentonite - Type II - IV Cement Hole terminated at 15.5 feet.		1350 BA-9-15	0.5	-	0.0	15	
20									20	
25									25	

PROJECT: **Chevron 9-3415**
 LOCATION: **4500 Park Boulevard, Oakland, CA**
 PROJECT NUMBER: **04CH.93415.00**

WELL / PROBEHOLE / BOREHOLE NO:

BA-10 PAGE 1 OF 1



DRILLING: STARTED **10/4/06** COMPLETED: **10/4/06**
 INSTALLATION: STARTED **10/4/06** COMPLETED: **10/4/06**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Hand Auger**
 DRILLING METHOD: **Hand Auger**
 SAMPLING EQUIPMENT: **Grab Sample**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **NE**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): **---**
 LOGGED BY: **J. Mason**

EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **14.5**
 WELL DEPTH (ft): **---**
 BOREHOLE DIAMETER (in): **4**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Borehole Backfill
			7" concrete							Concrete
			CLAY							
0935 5		SM	SILTY SAND ; SM; 7.5YR 5/8; strong brown; fine grained; 20% silt; dry		0935 BA-10-5	0.5		0.0	5	
1005 10			...same as above		1005 BA-10-10	0.5		0.0	10	
1115 15			...same as above; 7.5YR 5/4; brown; fine-grained; 10% subangular gravel; moist		1115 BA-10-14	0.5		0.0	15	
			Groundwater Not Encountered Boring Backfilled with 10% Bentonite - Type II - IV Cement Refusal at 14.5 feet. Hole terminated at 14.5 feet.							Backfilled with 10% Bentonite - Type II-V Cement
20									20	
25									25	

GEO FORM 304 CHEVRON 9-3415 GPJ SECOR INTL GDT 10/25/06

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		Symbols	Typical Description	Criteria
Coarse Grained Soils More than 50% retained on No.200 sieve	Gravels 50% or more of coarse fraction retained on No. 4 sieve	Clean Gravels	GW	Well-graded gravels and gravel-sand mixtures, little or no fines
		Gravels with fines	GP	Poorly graded gravels and gravel-sand mixtures, little or no fines
		Gravels with fines	GM	Silty gravels, gravel-sand-silt mixtures
		Gravels with fines	GC	Clayey Gravels, gravel-sand-clay mixtures
	Sands More than 50% of coarse fraction passes No. 4 sieve	Clean Sands	SW	Well-graded sands and gravelly sands little or no fines
		Sands with fines	SP	Poorly graded sands, gravelly sands little or no fines
		Sands with fines	SM	Silty sand, sand-silt mixtures
		Sands with fines	SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils 50% or more pass No. 200 sieve	Silts and Clays Liquid Limit 50% or less	ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands	
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	
		OL	Organic silts and organic silty clays of low plasticity	
	Silts and Clays Liquid Limit Greater than 50%	MH	Inorganic silts, micaceous or diatomaceous fine sands or silts elastic silts	
		CH	Inorganic clays of high plasticity fat clays	
		OH	Organic clays of medium to high plasticity	
		PT	Peat, muck, and other highly organic soils	
Highly Organic Soils		PT	Peat, muck, and other highly organic soils	

	3"	3/4"	#4	#10	#40	#200	U.S. Standard Sieve
Unified Soil Classif.	Cobbles	Gravel		Sand			Silt or Clay
		coarse	fine	coarse	medium	fine	

Moisture Conditions

Dry	absence of moisture; dusty, dry to the touch
Slightly Moist	below optimum moisture content for compaction
Moist	near optimum moisture content
Very Moist	above optimum moisture content
Wet	visible free water, below water table

Material Quantity

trace	0 - < 5 %
few	5 - 10 %
little	15 - 25 %
some	30 - 45 %
mostly	50 - 100 %

Other Symbols

- C core sample
- S SPT sample
- B Bulk sample
- ▼ Ground Water

Basic Log format:

Group name, Group Symbol, Color, Moisture, Consistency or relative density, Grain Size

Additional comments: plasticity, dry strength, toughness, dilatancy, odor, roots, mica, gypsum, coarse grained particles, etc.

Example:

P. G. SAND (SP), , brown, moist, loose, fine grained, trace Silt, trace fine Gravel, trace cobbles up to 4" in size

**APPENDIX E
LABORATORY REPORT AND
CHAIN-OF-CUSTODY DOCUMENTATION**

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o SECOR Int.
25864-F Business Center Drive
Redlands CA 92374

909-335-6116

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 1008913. Samples arrived at the laboratory on Saturday, October 07, 2006. The PO# for this group is 04CH.93415.00 and the release number is SKIP POUNCEY.

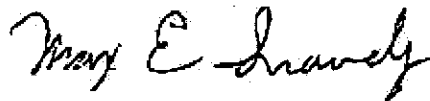
<u>Client Description</u>			<u>Lancaster Labs Number</u>
BA-1-S-15-061005	Grab	Soil	4884324
BA-1-S-20-061005	Grab	Soil	4884325
BA-2-S-15-061005	Grab	Soil	4884326
BA-2-S-25-061005	Grab	Soil	4884327
BA-3-S-20-061005	Grab	Soil	4884328
BA-3-S-25-061005	Grab	Soil	4884329
BA-4-S-15-061005	Grab	Soil	4884330
BA-4-S-25-061005	Grab	Soil	4884331
BA-5-S-15-061005	Grab	Soil	4884332
BA-5-S-20-061005	Grab	Soil	4884333

ELECTRONIC COPY TO ChevronTexaco c/o SECOR Int.

Attn: Skip Pouncey

Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,



Max E. Snively
Senior Specialist

Lancaster Laboratories Sample No. SW 4884324

 BA-1-S-15-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-1
 Collected: 10/05/2006 09:05 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	0.50	mg/kg	1
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	0.11	mg/kg	1
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	0.005	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.005	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.005	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/09/2006 23:19	Nicholas R Rossi	1

 #=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884324

BA-1-S-15-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-1
 Collected: 10/05/2006 09:05 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA115						
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/09/2006 23:19	Nicholas R Rossi	1
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/09/2006 23:19	Nicholas R Rossi	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/09/2006 23:19	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/09/2006 17:47	Nicholas R Rossi	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884325

 BA-1-S-20-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-1
 Collected: 10/05/2006 09:10 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	0.50	mg/kg	1
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	0.11	mg/kg	1
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	0.005	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.005	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.005	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/09/2006 23:41	Nicholas R Rossi	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884325

BA-1-S-20-061005 Grab Soil SIRC
 Facility# 93415
 4500 Park Blvd, Oakland T0600102247 BA-1
 Collected: 10/05/2006 09:10 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA120						
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/09/2006 23:41	Nicholas R Rossi	1
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/09/2006 23:41	Nicholas R Rossi	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/09/2006 23:41	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/09/2006 17:49	Nicholas R Rossi	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884326

BA-2-S-15-061005 Grab Soil SIRC
 Facility# 93415
 4500 Park Blvd, Oakland T0600102247 BA-2
 Collected: 10/05/2006 11:55 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA215 CAT		Analysis				Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06955	Lead	SW-846 6010B	1	10/19/2006 04:26	Eric I. Eby	1
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/10/2006 02:44	Nicholas R Rossi	4.95
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/12/2006 08:55	Stephanie A Selis	124.69
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/10/2006 02:44	Nicholas R Rossi	4.95
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/10/2006 02:44	Nicholas R Rossi	4.95
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/09/2006 17:51	Nicholas R Rossi	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	10/18/2006 20:00	Annamaria Stipkovits	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884327

 BA-2-S-25-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-2
 Collected: 10/05/2006 12:05 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA225

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D. #	0.51	mg/kg	5.05
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	96.	5.5	mg/kg	124.38
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	0.01	0.005	mg/kg	5.05
05476	o-Xylene	95-47-6	N.D. #	0.005	mg/kg	5.05
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	5.05
02017	di-Isopropyl ether	108-20-3	N.D. #	0.005	mg/kg	5.05
02018	Ethyl t-butyl ether	637-92-3	N.D. #	0.005	mg/kg	5.05
02019	t-Amyl methyl ether	994-05-8	N.D. #	0.005	mg/kg	5.05
02020	t-Butyl alcohol	75-65-0	N.D. #	0.10	mg/kg	5.05
05460	Benzene	71-43-2	N.D. #	0.003	mg/kg	5.05
05461	1,2-Dichloroethane	107-06-2	N.D. #	0.005	mg/kg	5.05
05466	Toluene	108-88-3	N.D. #	0.005	mg/kg	5.05
05471	1,2-Dibromoethane	106-93-4	N.D. #	0.005	mg/kg	5.05
05474	Ethylbenzene	100-41-4	0.023	0.005	mg/kg	5.05
06301	Xylene (Total)	1330-20-7	0.01	0.005	mg/kg	5.05

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

 #=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884327

BA-2-S-25-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-2
 Collected: 10/05/2006 12:05 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
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 Redlands CA 92374

BA225		Analysis				Dilution	
CAT	No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
	03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/10/2006 03:07	Nicholas R Rossi	5.05
	06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/12/2006 09:20	Stephanie A Selis	124.38
	06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/10/2006 03:07	Nicholas R Rossi	5.05
	07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/10/2006 03:07	Nicholas R Rossi	5.05
	00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/09/2006 17:53	Nicholas R Rossi	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884328

BA-3-S-20-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-3
 Collected: 10/05/2006 13:45 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	0.50	mg/kg	1
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	0.11	0.11	mg/kg	1
06373	8260 Special Cmpds for Soils					
05475	m-p-Xylene	1330-20-7	N.D.	0.005	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.005	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.005	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/10/2006 00:04	Nicholas R Rossi	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884328

BA-3-S-20-061005 Grab Soil SIRC
 Facility# 93415
 4500 Park Blvd, Oakland T0600102247 BA-3
 Collected: 10/05/2006 13:45 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA320						
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/10/2006 00:04	Nicholas R Rossi	1
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/10/2006 00:04	Nicholas R Rossi	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/10/2006 00:04	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/09/2006 17:55	Nicholas R Rossi	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884329

 BA-3-S-25-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-3
 Collected: 10/05/2006 13:55 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

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 Redlands CA 92374

BA325

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D. #	0.50	mg/kg	4.95
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	29.	2.8	mg/kg	125
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	0.007	0.005	mg/kg	4.95
05476	o-Xylene	95-47-6	N.D. #	0.005	mg/kg	4.95
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	4.95
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	4.95
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	4.95
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	4.95
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	4.95
05460	Benzene	71-43-2	N.D. #	0.002	mg/kg	4.95
05461	1,2-Dichloroethane	107-06-2	N.D. #	0.005	mg/kg	4.95
05466	Toluene	108-88-3	N.D. #	0.005	mg/kg	4.95
05471	1,2-Dibromoethane	106-93-4	N.D. #	0.005	mg/kg	4.95
05474	Ethylbenzene	100-41-4	N.D. #	0.005	mg/kg	4.95
06301	Xylene (Total)	1330-20-7	0.007	0.005	mg/kg	4.95

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

 #=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884329

BA-3-S-25-061005 Grab Soil SIRC
 Facility# 93415
 4500 Park Blvd, Oakland T0600102247 BA-3
 Collected: 10/05/2006 13:55 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
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 Redlands CA 92374

BA325		Analysis				Dilution	
CAT	No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
	03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/12/2006 13:36	Emiley A King	4.95
	06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/12/2006 09:45	Stephanie A Selis	125
	06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/12/2006 13:36	Emiley A King	4.95
	07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/12/2006 13:36	Emiley A King	4.95
	00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	10/11/2006 05:53	Seth J Good	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884330

BA-4-S-15-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-4
 Collected: 10/05/2006 14:45 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

..BA415

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	0.50	mg/kg	1
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	0.11	mg/kg	1
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	0.005	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.005	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.005	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/10/2006 00:27	Nicholas R Rossi	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884330

BA-4-S-15-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-4
 Collected: 10/05/2006 14:45 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA415						
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/10/2006 00:27	Nicholas R Rossi	1
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/10/2006 00:27	Nicholas R Rossi	1
07361	BTEX+5 Oxygenates+EDC+EDE	SW-846 8260B	1	10/10/2006 00:27	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/10/2006 17:58	Nicholas R Rossi	n.a.

Lancaster Laboratories Sample No. SW 4884331

BA-4-S-25-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-4
 Collected: 10/05/2006 15:00 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
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 Redlands CA 92374

BA425

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	0.50	mg/kg	1
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	0.11	mg/kg	1
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	0.005	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.005	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.005	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/10/2006 00:49	Nicholas R Rossi	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884331

BA-4-S-25-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-4
 Collected: 10/05/2006 15:00 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA425						
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/10/2006 00:49	Nicholas R Rossi	1
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/10/2006 00:49	Nicholas R Rossi	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/10/2006 00:49	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/09/2006 18:00	Nicholas R Rossi	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884332

 BA-5-S-15-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-5
 Collected: 10/05/2006 16:30 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA55-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	0.50	mg/kg	1
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	0.11	mg/kg	1
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	0.005	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.005	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.005	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/10/2006 01:12	Nicholas R Rossi	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884332

BA-5-S-15-061005 Grab Soil SIRC
 Facility# 93415
 4500 Park Blvd, Oakland T0600102247 BA-5
 Collected: 10/05/2006 16:30 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA55-	Description	SW	QTY	DATE	TIME	ANALYST	REMARKS
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/10/2006	01:12	Nicholas R Rossi	1
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/10/2006	01:12	Nicholas R Rossi	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/10/2006	01:12	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/09/2006	18:02	Nicholas R Rossi	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884333
BA-5-S-20-061005 Grab Soil
Facility# 93415 SIRC
4500 Park Blvd, Oakland T0600102247 BA-5
Collected: 10/05/2006 16:35 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA520

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	0.51	mg/kg	1.01
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	0.11	mg/kg	1.01
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	0.005	mg/kg	1.01
05476	o-Xylene	95-47-6	N.D.	0.005	mg/kg	1.01
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.005	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.005	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.005	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.005	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.005	mg/kg	1.01

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/10/2006 01:35	Nicholas R Rossi	1.01

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884333

BA-5-S-20-061005 Grab Soil SIRC
 Facility# 93415
 4500 Park Blvd, Oakland T0600102247 BA-5
 Collected: 10/05/2006 16:35 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/24/2006 at 11:10
 Discard: 11/24/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA520						
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/10/2006 01:35	Nicholas R Rossi	1.01
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/10/2006 01:35	Nicholas R Rossi	1.01
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/10/2006 01:35	Nicholas R Rossi	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/09/2006 18:05	Nicholas R Rossi	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Quality Control Summary

 Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 10/24/06 at 11:10 AM

Group Number: 1008913

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank Program RL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 062915708001	Sample number(s): 4884326							
Lead	N.D.	2.	mg/kg	96		82-118		
Batch number: A062821AA	Sample number(s): 4884324-4884328,4884330-4884333							
Methyl Tertiary Butyl Ether	N.D.	5.	ug/kg	93		72-117		
di-Isopropyl ether	N.D.	5.	ug/kg	88		72-120		
Ethyl t-butyl ether	N.D.	5.	ug/kg	86		72-115		
t-Amyl methyl ether	N.D.	5.	ug/kg	88		73-116		
t-Butyl alcohol	N.D.	100.	ug/kg	97		52-153		
Benzene	N.D.	2.	ug/kg	98		77-119		
1,2-Dichloroethane	N.D.	2.	ug/kg	107		76-126		
Toluene	N.D.	2.	ug/kg	94		81-116		
1,2-Dibromoethane	N.D.	2.	ug/kg	96		77-114		
Ethylbenzene	N.D.	2.	ug/kg	94		82-115		
m+p-Xylene	N.D.	2.	ug/kg	97		82-117		
o-Xylene	N.D.	2.	ug/kg	94		82-117		
Ethanol	N.D.	300.	ug/kg	104		30-160		
Xylene (Total)	N.D.	4.0	ug/kg	96		82-117		
C6-C12-TPH-GRO	N.D.	100.	ug/kg	111		70-155		
Batch number: A062841AB	Sample number(s): 4884329							
Methyl Tertiary Butyl Ether	N.D.	5.	ug/kg	87		72-117		
di-Isopropyl ether	N.D.	5.	ug/kg	78		72-120		
Ethyl t-butyl ether	N.D.	5.	ug/kg	77		72-115		
t-Amyl methyl ether	N.D.	5.	ug/kg	80		73-116		
t-Butyl alcohol	N.D.	100.	ug/kg	99		52-153		
Benzene	N.D.	2.	ug/kg	97		77-119		
1,2-Dichloroethane	N.D.	2.	ug/kg	113		76-126		
Toluene	N.D.	2.	ug/kg	93		81-116		
1,2-Dibromoethane	N.D.	2.	ug/kg	92		77-114		
Ethylbenzene	N.D.	2.	ug/kg	93		82-115		
m+p-Xylene	N.D.	2.	ug/kg	96		82-117		
o-Xylene	N.D.	2.	ug/kg	91		82-117		
Ethanol	N.D.	300.	ug/kg	110		30-160		
Xylene (Total)	N.D.	4.0	ug/kg	94		82-117		
Batch number: R062851AA	Sample number(s): 4884326-4884327,4884329							
C6-C12-TPH-GRO	N.D.	5,500.	ug/kg	111		70-155		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
----	-----	--------	-----	-----	-----	-----	---------

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco c/o SECOR Int.

Group Number: 1008913

Reported: 10/24/06 at 11:10 AM

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: 062915708001	Sample number(s): 4884326 UNSPK: P891315 BKG: P891315								
Lead	(2)	(2)	75-125	5	20	1,680.	870.	63*	20
Batch number: A062821AA	Sample number(s): 4884324-4884328,4884330-4884333 UNSPK: P883060								
Methyl Tertiary Butyl Ether	90	98	47-130	8	30				
di-Isopropyl ether	87	86	58-122	1	30				
Ethyl t-butyl ether	85	88	57-122	2	30				
t-Amyl methyl ether	85	90	58-119	5	30				
t-Butyl alcohol	88	93	51-134	4	30				
Benzene	94	85	59-120	9	30				
1,2-Dichloroethane	98	97	62-130	1	30				
Toluene	97	50*	52-121	22	30				
1,2-Dibromoethane	94	95	62-116	1	30				
Ethylbenzene	79	65	54-116	15	30				
m+p-Xylene	80	58	44-127	18	30				
o-Xylene	80	60	44-127	17	30				
Ethanol	102	90	7-170	13	30				
Xylene (Total)	80	59	44-127	17	30				
C6-C12-TPH-GRO	50	49	34-144	2	30				
Batch number: A062841AB	Sample number(s): 4884329 UNSPK: P884915								
Methyl Tertiary Butyl Ether	79	81	47-130	3	30				
di-Isopropyl ether	74	71	58-122	4	30				
Ethyl t-butyl ether	72	72	57-122	1	30				
t-Amyl methyl ether	75	75	58-119	0	30				
t-Butyl alcohol	102	92	51-134	10	30				
Benzene	87	80	59-120	8	30				
1,2-Dichloroethane	101	98	62-130	3	30				
Toluene	85	76	52-121	12	30				
1,2-Dibromoethane	83	83	62-116	0	30				
Ethylbenzene	85	76	54-116	11	30				
m+p-Xylene	88	79	44-127	11	30				
o-Xylene	84	76	44-127	11	30				
Ethanol	105	99	7-170	5	30				
Xylene (Total)	87	78	44-127	11	30				
Batch number: R062851AA	Sample number(s): 4884326-4884327,4884329 UNSPK: P879369								
C6-C12-TPH-GRO	(2)	(2)	34-144	9	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EPA SW 846/8260 - Soil

Batch number: A062821AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4884324	102	97	92	87
4884325	101	97	91	87
4884326	98	92	97	98
4884328	102	97	91	88
4884330	102	97	91	86
4884331	103	98	91	86
4884332	103	99	91	86

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco c/o SECOR Int.
Reported: 10/24/06 at 11:10 AM

Group Number: 1008913

Surrogate Quality Control

4884333	103	98	91	86
Blank	101	94	91	86
LCS	102	96	94	94
MS	103	96	104	80
MSD	104	101	101	83
Limits:	71-114	70-109	70-123	70-111

Analysis Name: EPA SW 846/8260 - Soil
Batch number: A062841AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4884329	102	96	90	93
Blank	103	96	90	86
LCS	106	96	94	95
MS	105	93	95	95
MSD	107	97	93	95
Limits:	71-114	70-109	70-123	70-111

Analysis Name: 8260 Master Scan (soil)
Batch number: R062851AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	97	100	95	91
LCS	95	95	95	91
MS	96	96	98	102
MSD	96	98	99	102
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



241498

For Lancaster Laboratories use only
 Acct. #: 11647 Sample #: 4884324-33

SCR# _____
75# 1008913

Facility #: Chevron - 93415
 Site Address: 4500 Park Blvd, Oakland CA
 Chevron PM: Skip Pouncy ^{DATA} ~~Thomas~~ Lead Consultant: SECOR
 Consultant/Office: REDLANDS, CALIF.
 Consultant Prj. Mgr.: Skip Pouncy
 Consultant Phone #: 909-335-6116 Fax #: _____
 Sampler: John Mason
 Service Order #: _____ Non SAR:

Analyses Requested

Preservation Codes									
TPH	TPH	TPH	8260	Oxygenates	Lead	TPH	TPH	TPH	TPH
8015 MOD	8015 MOD	8015 MOD	full scan		7420	8015 MOD	8015 MOD	8015 MOD	8015 MOD
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOD	GRO	TPH 8015 MOD	DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	TPH 8015 MOD	TPH 8015 MOD	TPH 8015 MOD	TPH 8015 MOD	
BA-1	S		5	2006 10 03	1040	yes	X		1																
BA-1	S		10	2006 10 05	0900	yes	X		1																
BA-1	S		15	2006 10 05	0905	yes	X		1													X			
BA-1	S		20	2006 10 05	0910	yes	X		1													X			
BA-2	S		5	2006 10 03	1155	yes	X		1																
BA-2	S		10	2006 10 05	1150	yes	X		1																
BA-2	S		15	2006 10 05	1155	yes	X		1													X			
BA-2	S		20	2006 10 05	1200	yes	X		1																
BA-2	S		25	2006 10 05	1205	yes	X		1													X			
BA-3	S		5	2006 10 03	1350	yes	X		1																
BA-3	S		10	2006 10 05	1335	yes	X		1																
BA-3	S		15	2006 10 05	1340	yes	X		1																
BA-3	S		20	2006 10 05	1345	yes	X		1													X			

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Relinquished by: <u>[Signature]</u>	Date: <u>10/6</u>	Time: <u>12:00</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by Commercial Carrier: UPS <u>FedEx</u> Other: <u>N/A</u>	Received by: <u>Mary Beth Honer</u>	Date: <u>10/7/06</u>	Time: <u>0930</u>
Temperature Upon Receipt: <u>3.6</u> °C	Custody Seals Intact? <u>Yes</u> No		

Chevron California Region Analysis Request/Chain of Custody



1008916 / 4884345-52

Acct #: 11647

Sample #: 4884324-33

For Lancaster Laboratories use only

241497
 SR#: 10090
 10/17/06
 1008913

Facility #: Chevron 93415
 Site Address: 4500 Park Blvd. Oakland CA
 Chevron PM: SKY Pancy Lead Consultant: SECOR
 Consultant/Office: Redlands, CA
 Consultant Prj. Mgr.: SKY Pancy
 Consultant Phone #: 909-335-6116 Fax #: _____
 Sampler: Sahn Mazon
 Service Order #: _____ Non SAR:

Analyses Requested

Preservation Codes																							
<input type="checkbox"/>	BTEX + MTBE	8260	<input type="checkbox"/>	8021	<input type="checkbox"/>	TPH 8015 MOD	GRO	<input type="checkbox"/>	Silica Gel Cleanup	<input type="checkbox"/>	8260 full scan	<input type="checkbox"/>	Oxygenates	<input type="checkbox"/>	Lead 7420	<input type="checkbox"/>	7421	<input type="checkbox"/>	TPH / BTEX / o/s/s / Ethanal 8240B	<input type="checkbox"/>	TPH 8015 MOD	<input type="checkbox"/>	8015 B

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE	8260	8021	TPH 8015 MOD	GRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	TPH / BTEX / o/s/s / Ethanal 8240B	TPH 8015 MOD	8015 B			
BA-3	S		25	20061005	1355	Y	X																		
BA-4			5	20061003	1415																				
BA-4			10	20061005	1440																				
BA-4			15	20061005	1445																				
BA-4			20	20061005	1455																				
BA-4			25	20061005	1500																				
BA-5			5	20061003	1550																				
BA-5			10	20061005	1620																				
BA-5			15	20061005	1630																				
BA-5			20	20061005	1635																				
BA-6			5	20061003	0940																				
BA-6			10	20061005	0745																				
BA-6			15	20061005	0750																				

Comments / Remarks

BA-6 sample is 48 hr TAT

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>10/18</u>	Time: <u>12:00</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by Commercial Carrier: UPS <u>FedEx</u> Other: <u>N/A</u>	Received by: <u>Mary Beth Foron</u>		Date: <u>10/16</u>	Time: <u>0930</u>	
Temperature Upon Receipt: <u>3.6</u> °C	Custody Seals Intact? <u>Yes</u> No				

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m ³	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o SECOR Int.
25864-F Business Center Drive
Redlands CA 92374

909-335-6116

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425SAMPLE GROUP

The sample group for this submittal is 1008916. Samples arrived at the laboratory on Saturday, October 07, 2006. The PO# for this group is 04CH.93415.00 and the release number is SKIP POUNCEY.

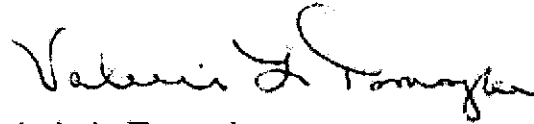
<u>Client Description</u>			<u>Lancaster Labs Number</u>
BA-6-S-15-061005	Grab	Soil	4884345
BA-6-S-25-061005	Grab	Soil	4884346
BA-8-S-20-061004	Grab	Soil	4884347
BA-8-S-30-061004	Grab	Soil	4884348
BA-9-S-10-061004	Grab	Soil	4884349
BA-9-S-15-061004	Grab	Soil	4884350
BA-10-S-10-061004	Grab	Soil	4884351
BA-10-S-14-061004	Grab	Soil	4884352

ELECTRONIC COPY TO ChevronTexaco c/o SECOR Int.

Attn: Skip Pouncey

Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,



Valerie L. Tomayko
Group Leader

Lancaster Laboratories Sample No. SW 4884345

 BA-6-S-15-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-6
 Collected: 10/05/2006 07:50 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA615

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Program		
01725	TPH-GRO - Soils	n.a.	N.D.	RL 1.0	mg/kg	25
The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06631	DRO/ORO in Soil					
06632	Total TPH	n.a.	N.D.	4.0	mg/kg	1
06633	C13 - C22	n.a.	N.D.	4.0	mg/kg	1
06634	C23 - C40	n.a.	N.D.	4.0	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	TPH GRO SW-846 8015B mod	1	10/10/2006 20:52	Linda C Pape	25
06631	DRO/ORO in Soil	SW-846 8015B modified	1	10/10/2006 16:36	Matthew E Barton	1
01150	GC - Bulk Soil Prep	SW-846 5035	1	10/10/2006 16:37	Eric L Vera	n.a.
07024	DRO Alternate Soil Extraction	SW-846 3550B	1	10/09/2006 19:00	Sally L Appleyard	1

Lancaster Laboratories Sample No. SW 4884346
BA-6-S-25-061005 Grab Soil SIRC
Facility# 93415
4500 Park Blvd, Oakland T0600102247 BA-6
Collected: 10/05/2006 08:00 by JM Account Number: 11647
Submitted: 10/07/2006 09:30
Reported: 10/17/2006 at 17:35
Discard: 11/17/2006
ChevronTexaco c/o SECOR Int.
25864-F Business Center Drive
Redlands CA 92374
BA625

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			As Received Result	Program RL		
01725	TPH-GRO - Soils	n.a.	47.	2.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
00159	Mercury	7439-97-6	0.202	0.0200	mg/kg	1
06925	Thallium	7440-28-0	N.D.	10.0	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	2.00	mg/kg	1
06936	Selenium	7782-49-2	N.D.	2.00	mg/kg	1
06944	Antimony	7440-36-0	N.D.	10.0	mg/kg	1
06946	Barium	7440-39-3	72.6	1.00	mg/kg	1
06947	Beryllium	7440-41-7	0.875	0.500	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.500	mg/kg	1
06951	Chromium	7440-47-3	16.8	1.00	mg/kg	1
06952	Cobalt	7440-48-4	6.11	1.00	mg/kg	1
06953	Copper	7440-50-8	26.5	2.00	mg/kg	1
06955	Lead	7439-92-1	7.42	2.00	mg/kg	1
06960	Molybdenum	7439-98-7	N.D.	2.00	mg/kg	1
06961	Nickel	7440-02-0	18.6	2.00	mg/kg	1
06966	Silver	7440-22-4	N.D.	1.00	mg/kg	1
06971	Vanadium	7440-62-2	24.2	1.00	mg/kg	1
06972	Zinc	7440-66-6	58.9	5.00	mg/kg	1
06631	DRO/ORO in Soil					
06632	Total TPH	n.a.	2,500.	80.	mg/kg	20
06633	C13 - C22	n.a.	310.	80.	mg/kg	20
06634	C23 - C40	n.a.	2,200.	80.	mg/kg	20
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	N.D.	50.	ug/kg	1
01496	PCB-1221	11104-28-2	N.D.	50.	ug/kg	1
01497	PCB-1232	11141-16-5	N.D.	50.	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	50.	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	50.	ug/kg	1
01500	PCB-1254	11097-69-1	N.D.	50.	ug/kg	1
01501	PCB-1260	11096-82-5	N.D.	50.	ug/kg	1
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	0.99

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884346

 BA-6-S-25-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-6
 Collected: 10/05/2006 08:00 by JM

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 25864-F Business Center Drive
 Redlands CA 92374

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			As Received Result	Program RL		
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	0.99
06293	Acetone	67-64-1	0.016	0.007	mg/kg	0.99
06294	Carbon Disulfide	75-15-0	N.D.	0.001	mg/kg	0.99
06296	2-Butanone	78-93-3	N.D.	0.004	mg/kg	0.99
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	mg/kg	0.99
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	mg/kg	0.99
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	mg/kg	0.99
06300	2-Hexanone	591-78-6	N.D.	0.003	mg/kg	0.99
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	mg/kg	0.99
08199	Freon 113	76-13-1	N.D.	0.002	mg/kg	0.99
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.005	mg/kg	0.99
05444	Chloromethane	74-87-3	N.D.	0.005	mg/kg	0.99
05445	Vinyl Chloride	75-01-4	N.D.	0.005	mg/kg	0.99
05446	Bromomethane	74-83-9	N.D.	0.005	mg/kg	0.99
05447	Chloroethane	75-00-3	N.D.	0.005	mg/kg	0.99
05448	Trichlorofluoromethane	75-69-4	N.D.	0.005	mg/kg	0.99
05449	1,1-Dichloroethene	75-35-4	N.D.	0.005	mg/kg	0.99
05450	Methylene Chloride	75-09-2	N.D.	0.020	mg/kg	0.99
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	mg/kg	0.99
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	mg/kg	0.99
05453	2,2-Dichloropropane	594-20-7	N.D.	0.002	mg/kg	0.99
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	mg/kg	0.99
05455	Chloroform	67-66-3	N.D.	0.002	mg/kg	0.99
05456	Bromochloromethane	74-97-5	N.D.	0.005	mg/kg	0.99
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	mg/kg	0.99
05458	Carbon Tetrachloride	56-23-5	N.D.	0.005	mg/kg	0.99
05459	1,1-Dichloropropene	563-58-6	N.D.	0.002	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.002	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	mg/kg	0.99
05462	Trichloroethene	79-01-6	N.D.	0.002	mg/kg	0.99
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	mg/kg	0.99
05464	Dibromomethane	74-95-3	N.D.	0.002	mg/kg	0.99
05465	Bromodichloromethane	75-27-4	N.D.	0.002	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.002	mg/kg	0.99
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	mg/kg	0.99
05468	Tetrachloroethene	127-18-4	0.002	0.002	mg/kg	0.99

 #=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884346

 BA-6-S-25-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-6
 Collected: 10/05/2006 08:00 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA625

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Program RL		
05469	1,3-Dichloropropane	142-28-9	N.D.	0.002	mg/kg	0.99
05470	Dibromochloromethane	124-48-1	N.D.	0.002	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.002	mg/kg	0.99
05472	Chlorobenzene	108-90-7	N.D.	0.002	mg/kg	0.99
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.005	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.002	mg/kg	0.99
05475	m+p-Xylene	1330-20-7	N.D.	0.002	mg/kg	0.99
05476	o-Xylene	95-47-6	N.D.	0.002	mg/kg	0.99
05477	Styrene	100-42-5	N.D.	0.002	mg/kg	0.99
05478	Bromoform	75-25-2	N.D.	0.005	mg/kg	0.99
05479	Isopropylbenzene	98-82-8	N.D.	0.002	mg/kg	0.99
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	mg/kg	0.99
05481	Bromobenzene	108-86-1	N.D.	0.005	mg/kg	0.99
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.010	mg/kg	0.99
05483	n-Propylbenzene	103-65-1	0.003	0.002	mg/kg	0.99
05484	2-Chlorotoluene	95-49-8	N.D.	0.005	mg/kg	0.99
05485	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.002	mg/kg	0.99
05486	4-Chlorotoluene	106-43-4	N.D.	0.005	mg/kg	0.99
05487	tert-Butylbenzene	98-06-6	0.005	0.005	mg/kg	0.99
05488	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.002	mg/kg	0.99
05489	sec-Butylbenzene	135-98-8	N.D.	0.005	mg/kg	0.99
05490	p-Isopropyltoluene	99-87-6	N.D.	0.002	mg/kg	0.99
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.002	mg/kg	0.99
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.002	mg/kg	0.99
05493	n-Butylbenzene	104-51-8	N.D.	0.005	mg/kg	0.99
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.002	mg/kg	0.99
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.005	mg/kg	0.99
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.005	mg/kg	0.99
05497	Hexachlorobutadiene	87-68-3	N.D.	0.005	mg/kg	0.99
05498	Naphthalene	91-20-3	N.D.	0.005	mg/kg	0.99
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.005	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

 #=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884346

 BA-6-S-25-061005 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-6
 Collected: 10/05/2006 08:00 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA625 CAT		Analysis			Dilution	
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	TPH GRO SW-846 8015B mod	1	10/10/2006 21:33	Linda C Pape	50
00159	Mercury	SW-846 7471A	1	10/16/2006 11:26	Damary Valentin	1
06925	Thallium	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06935	Arsenic	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06936	Selenium	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06944	Antimony	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06946	Barium	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06947	Beryllium	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06949	Cadmium	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06951	Chromium	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06952	Cobalt	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06953	Copper	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06955	Lead	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06960	Molybdenum	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06961	Nickel	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06966	Silver	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06971	Vanadium	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06972	Zinc	SW-846 6010B	1	10/16/2006 11:53	Deborah A Krady	1
06631	DRO/ORO in Soil	SW-846 8015B modified	1	10/11/2006 11:02	Matthew E Barton	20
01216	PCBs in Solids	SW-846 8082	1	10/16/2006 14:33	Richard A Shoher	1
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/10/2006 02:21	Nicholas R Rossi	0.99
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/10/2006 02:21	Nicholas R Rossi	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/09/2006 18:09	Nicholas R Rossi	n.a.
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	10/13/2006 14:30	Olivia I Santiago	1
01150	GC - Bulk Soil Prep	SW-846 5035	1	10/10/2006 16:39	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	10/15/2006 19:20	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	10/15/2006 22:30	Annamaria Stipkovits	1
07024	DRO Alternate Soil Extraction	SW-846 3550B	1	10/09/2006 19:00	Sally L Appleyard	1

Lancaster Laboratories Sample No. SW 4884347
BA-8-S-20-061004 Grab Soil SIRC
Facility# 93415
4500 Park Blvd, Oakland T0600102247 BA-8
 Collected: 10/04/2006 15:00 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA820

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			As Received Result	Program RL		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
00159	Mercury	7439-97-6	0.188	0.0200	mg/kg	1
06925	Thallium	7440-28-0	N.D.	10.0	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	2.00	mg/kg	1
06936	Selenium	7782-49-2	N.D.	2.00	mg/kg	1
06944	Antimony	7440-36-0	N.D.	10.0	mg/kg	1
06946	Barium	7440-39-3	111.	1.00	mg/kg	1
06947	Beryllium	7440-41-7	0.848	0.500	mg/kg	1
06949	Cadmium	7440-43-9	0.552	0.500	mg/kg	1
06951	Chromium	7440-47-3	30.2	1.00	mg/kg	1
06952	Cobalt	7440-48-4	5.55	1.00	mg/kg	1
06953	Copper	7440-50-8	24.5	2.00	mg/kg	1
06955	Lead	7439-92-1	6.68	2.00	mg/kg	1
06960	Molybdenum	7439-98-7	N.D.	2.00	mg/kg	1
06961	Nickel	7440-02-0	21.4	2.00	mg/kg	1
06966	Silver	7440-22-4	N.D.	1.00	mg/kg	1
06971	Vanadium	7440-62-2	29.2	1.00	mg/kg	1
06972	Zinc	7440-66-6	53.0	5.00	mg/kg	1
06631	DRO/ORO in Soil					
06632	Total TPH	n.a.	22.	4.0	mg/kg	1
06633	C13 - C22	n.a.	N.D.	4.0	mg/kg	1
06634	C23 - C40	n.a.	22.	4.0	mg/kg	1
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.10	mg/kg	1
06293	Acetone	67-64-1	0.011	0.007	mg/kg	1
06294	Carbon Disulfide	75-15-0	N.D.	0.001	mg/kg	1
06296	2-Butanone	78-93-3	N.D.	0.004	mg/kg	1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	mg/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	mg/kg	1
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	mg/kg	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884347

 BA-8-S-20-061004 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-8
 Collected: 10/04/2006 15:00 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA820

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			As Received Result	Program RL		
06300	2-Hexanone	591-78-6	N.D.	0.003	mg/kg	1
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	mg/kg	1
08199	Freon 113	76-13-1	N.D.	0.002	mg/kg	1
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.005	mg/kg	1
05444	Chloromethane	74-87-3	N.D.	0.005	mg/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	0.005	mg/kg	1
05446	Bromomethane	74-83-9	N.D.	0.005	mg/kg	1
05447	Chloroethane	75-00-3	N.D.	0.005	mg/kg	1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.005	mg/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.005	mg/kg	1
05450	Methylene Chloride	75-09-2	N.D.	0.020	mg/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	mg/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	mg/kg	1
05453	2,2-Dichloropropane	594-20-7	N.D.	0.002	mg/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	mg/kg	1
05455	Chloroform	67-66-3	N.D.	0.002	mg/kg	1
05456	Bromochloromethane	74-97-5	N.D.	0.005	mg/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	mg/kg	1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.005	mg/kg	1
05459	1,1-Dichloropropene	563-58-6	N.D.	0.002	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.002	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	mg/kg	1
05462	Trichloroethene	79-01-6	N.D.	0.002	mg/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	mg/kg	1
05464	Dibromomethane	74-95-3	N.D.	0.002	mg/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	0.002	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.002	mg/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	mg/kg	1
05468	Tetrachloroethene	127-18-4	N.D.	0.002	mg/kg	1
05469	1,3-Dichloropropane	142-28-9	N.D.	0.002	mg/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	0.002	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.002	mg/kg	1
05472	Chlorobenzene	108-90-7	N.D.	0.002	mg/kg	1
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.002	mg/kg	1
05475	m+p-Xylene	1330-20-7	N.D.	0.002	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.002	mg/kg	1
05477	Styrene	100-42-5	N.D.	0.002	mg/kg	1
05478	Bromoform	75-25-2	N.D.	0.005	mg/kg	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884347

 BA-8-S-20-061004 Grab Soil SIRC
 Facility# 93415
 4500 Park Blvd, Oakland T0600102247 BA-8
 Collected: 10/04/2006 15:00 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA820

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
05479	Isopropylbenzene	98-82-8	N.D.	0.002	mg/kg	1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	mg/kg	1
05481	Bromobenzene	108-86-1	N.D.	0.005	mg/kg	1
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.010	mg/kg	1
05483	n-Propylbenzene	103-65-1	N.D.	0.002	mg/kg	1
05484	2-Chlorotoluene	95-49-8	N.D.	0.005	mg/kg	1
05485	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.002	mg/kg	1
05486	4-Chlorotoluene	106-43-4	N.D.	0.005	mg/kg	1
05487	tert-Butylbenzene	98-06-6	N.D.	0.005	mg/kg	1
05488	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.002	mg/kg	1
05489	sec-Butylbenzene	135-98-8	N.D.	0.005	mg/kg	1
05490	p-Isopropyltoluene	99-87-6	N.D.	0.002	mg/kg	1
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.002	mg/kg	1
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.002	mg/kg	1
05493	n-Butylbenzene	104-51-8	N.D.	0.005	mg/kg	1
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.002	mg/kg	1
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.005	mg/kg	1
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.005	mg/kg	1
05497	Hexachlorobutadiene	87-68-3	N.D.	0.005	mg/kg	1
05498	Naphthalene	91-20-3	N.D.	0.005	mg/kg	1
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	TPH GRO SW-846 8015B mod	1	10/10/2006 07:30	Linda C Pape	25
00159	Mercury	SW-846 7471A	1	10/16/2006 11:27	Damary Valentin	1
06925	Thallium	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1
06935	Arsenic	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1
06936	Selenium	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1
06944	Antimony	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1
06946	Barium	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1
06947	Beryllium	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884347

 BA-8-S-20-061004 Grab Soil SIRC
 Facility# 93415
 4500 Park Blvd, Oakland T0600102247 BA-8
 Collected: 10/04/2006 15:00 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA820							
06949	Cadmium	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06951	Chromium	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06952	Cobalt	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06953	Copper	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06955	Lead	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06960	Molybdenum	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06961	Nickel	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06966	Silver	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06971	Vanadium	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06972	Zinc	SW-846 6010B	1	10/16/2006 12:07	Deborah A Krady	1	
06631	DRO/ORO in Soil	SW-846 8015B modified	1	10/11/2006 10:38	Matthew E Barton	1	
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/16/2006 15:37	Emiley A King	1	
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	10/16/2006 15:37	Emiley A King	1	
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/16/2006 14:52	Emiley A King	n.a.	
01150	GC - Bulk Soil Prep	SW-846 5035	1	10/09/2006 09:35	Larry E Bevins	n.a.	
05708	SW SW846 ICP Digest	SW-846 3050B	1	10/15/2006 19:20	Annamaria Stipkovits	1	
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	10/15/2006 22:30	Annamaria Stipkovits	1	
07024	DRO Alternate Soil Extraction	SW-846 3550B	1	10/09/2006 19:00	Sally L Appleyard	1	

Lancaster Laboratories Sample No. SW 4884348
BA-8-S-30-061004 Grab Soil SIRC
Facility# 93415
4500 Park Blvd, Oakland T0600102247 BA-8
Collected: 10/04/2006 15:15 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
Reported: 10/17/2006 at 17:35
Discard: 11/17/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA830

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Program		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06631	DRO/ORO in Soil					
06632	Total TPH	n.a.	N.D.	4.0	mg/kg	1
06633	C13 - C22	n.a.	N.D.	4.0	mg/kg	1
06634	C23 - C40	n.a.	N.D.	4.0	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
01725	TPH-GRO - Soils	TPH GRO SW-846 8015B mod	1	10/10/2006 08:11	Linda C Page	25
06631	DRO/ORO in Soil	SW-846 8015B modified	1	10/10/2006 17:00	Matthew E Barton	1
01150	GC - Bulk Soil Prep	SW-846 5035	1	10/09/2006 09:39	Larry E Bevins	n.a.
07024	DRO Alternate Soil Extraction	SW-846 3550B	1	10/09/2006 19:00	Sally L Appleyard	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW 4884349

BA-9-S-10-061004 Grab Soil
Facility# 93415 SIRC
4500 Park Blvd, Oakland T0600102247 BA-9
Collected: 10/04/2006 12:25 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
Reported: 10/17/2006 at 17:35
Discard: 11/17/2006

ChevronTexaco c/o SECOR Int.
25864-F Business Center Drive
Redlands CA 92374

BA910

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
06631	DRO/ORO in Soil					
06632	Total TPH	n.a.	N.D.	4.0	mg/kg	1
06633	C13 - C22	n.a.	N.D.	4.0	mg/kg	1
06634	C23 - C40	n.a.	N.D.	4.0	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06631	DRO/ORO in Soil	SW-846 8015B modified	1	10/10/2006 17:24	Matthew E Barton	1
07024	DRO Alternate Soil Extraction	SW-846 3550B	1	10/09/2006 19:00	Sally L Appleyard	1

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. SW 4884350

BA-9-S-15-061004 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-9
 Collected: 10/04/2006 13:50 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA915

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
06631	DRO/ORO in Soil					
06632	Total TPH	n.a.	N.D.	4.0	mg/kg	1
06633	C13 - C22	n.a.	N.D.	4.0	mg/kg	1
06634	C23 - C40	n.a.	N.D.	4.0	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06631	DRO/ORO in Soil	SW-846 8015B modified	1	10/10/2006 17:48	Matthew E Barton	1
07024	DRO Alternate Soil Extraction	SW-846 3550B	1	10/09/2006 19:00	Sally L Appleyard	1

Lancaster Laboratories Sample No. SW 4884351
BA-10-S-10-061004 Grab Soil
Facility# 93415 SIRC
4500 Park Blvd, Oakland T0600102247 BA-10
Collected: 10/04/2006 10:05 by JM

Account Number: 11647

 Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

 ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

B1010

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Program	Units	
06631	DRO/ORO in Soil					
06632	Total TPH	n.a.	12.	4.0	mg/kg	1
06633	C13 - C22	n.a.	N.D.	4.0	mg/kg	1
06634	C23 - C40	n.a.	12.	4.0	mg/kg	1
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	N.D.	50.	ug/kg	1
01496	PCB-1221	11104-28-2	N.D.	50.	ug/kg	1
01497	PCB-1232	11141-16-5	N.D.	50.	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	50.	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	50.	ug/kg	1
01500	PCB-1254	11097-69-1	N.D.	50.	ug/kg	1
01501	PCB-1260	11096-82-5	N.D.	50.	ug/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
06631	DRO/ORO in Soil	SW-846 8015B modified	1	10/10/2006 18:12		Matthew E Barton	1
01216	PCBs in Solids	SW-846 8082	1	10/16/2006 14:52		Richard A Shober	1
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	10/13/2006 14:30		Olivia I Santiago	1
07024	DRO Alternate Soil Extraction	SW-846 3550B	1	10/09/2006 19:00		Sally L Appleyard	1

Lancaster Laboratories Sample No. SW 4884352

BA-10-S-14-061004 Grab Soil
 Facility# 93415 SIRC
 4500 Park Blvd, Oakland T0600102247 BA-10
 Collected: 10/04/2006 11:15 by JM

Account Number: 11647

Submitted: 10/07/2006 09:30
 Reported: 10/17/2006 at 17:35
 Discard: 11/17/2006

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

B1014

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Program RL	Units	Dilution Factor
06631	DRO/ORO in Soil					
06632	Total TPH	n.a.	11.	4.0	mg/kg	1
06633	C13 - C22	n.a.	N.D.	4.0	mg/kg	1
06634	C23 - C40	n.a.	11.	4.0	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06631	DRO/ORO in Soil	SW-846 8015B modified	1	10/10/2006 18:36	Matthew E Barton	1
07024	DRO Alternate Soil Extraction	SW-846 3550B	1	10/09/2006 19:00	Sally L Appleyard	1

Quality Control Summary

 Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 10/17/06 at 05:35 PM

Group Number: 1008916

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank Program RL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 062820003A	Sample number(s): 4884345-4884352							
Total TPH	N.D.	4.0	mg/kg	85	90	68-115	6	50
C13 - C22	N.D.	4.0	mg/kg					
C23 - C40	N.D.	4.0	mg/kg					
Batch number: 06283A02A	Sample number(s): 4884345-4884348							
TPH-GRO - Soils	N.D.	1.0	mg/kg	89		67-119		
Batch number: 062860013A	Sample number(s): 4884346,4884351							
PCB-1016	N.D.	50.	ug/kg	77		72-120		
PCB-1221	N.D.	50.	ug/kg					
PCB-1232	N.D.	50.	ug/kg					
PCB-1242	N.D.	50.	ug/kg					
PCB-1248	N.D.	50.	ug/kg					
PCB-1254	N.D.	50.	ug/kg					
PCB-1260	N.D.	50.	ug/kg	84		76-122		
Batch number: 062885708002	Sample number(s): 4884346-4884347							
Thallium	N.D.	10.	mg/kg	103		90-120		
Arsenic	N.D.	2.	mg/kg	94		80-120		
Selenium	N.D.	2.	mg/kg	97		74-126		
Antimony	N.D.	10.	mg/kg	30		24-110		
Barium	N.D.	1.	mg/kg	99		90-112		
Beryllium	N.D.	0.5	mg/kg	103		90-113		
Cadmium	N.D.	0.5	mg/kg	97		87-110		
Chromium	N.D.	1.	mg/kg	97		90-111		
Cobalt	N.D.	1.	mg/kg	99		90-110		
Copper	N.D.	2.	mg/kg	101		90-111		
Lead	N.D.	2.	mg/kg	97		84-112		
Molybdenum	N.D.	2.	mg/kg	96		88-111		
Nickel	N.D.	2.	mg/kg	98		89-110		
Silver	N.D.	1.	mg/kg	104		90-126		
Vanadium	N.D.	1.	mg/kg	94		89-115		
Zinc	N.D.	5.	mg/kg	94		85-110		
Batch number: 062885711002	Sample number(s): 4884346-4884347							
Mercury	N.D.	0.02	mg/kg	96		66-133		
Batch number: A062821AA	Sample number(s): 4884346							
Methyl Tertiary Butyl Ether	N.D.	5.	ug/kg	93		72-117		
di-Isopropyl ether	N.D.	5.	ug/kg	88		72-120		
Ethyl t-butyl ether	N.D.	5.	ug/kg	86		72-115		
t-Amyl methyl ether	N.D.	5.	ug/kg	88		73-116		
t-Butyl alcohol	N.D.	100.	ug/kg	97		52-153		
Dichlorodifluoromethane	N.D.	5.	ug/kg	55		34-144		
Chloromethane	N.D.	5.	ug/kg	74		58-123		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 10/17/06 at 05:35 PM

Group Number: 1008916

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank Program RL</u>	<u>Report Unite</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Vinyl Chloride	N.D.	5.	ug/kg	74		60-118		
Bromomethane	N.D.	5.	ug/kg	90		61-118		
Chloroethane	N.D.	5.	ug/kg	84		63-120		
Trichlorofluoromethane	N.D.	5.	ug/kg	84		55-142		
1,1-Dichloroethene	N.D.	5.	ug/kg	100		74-115		
Methylene Chloride	N.D.	20.	ug/kg	105		75-120		
trans-1,2-Dichloroethene	N.D.	2.	ug/kg	100		77-113		
1,1-Dichloroethane	N.D.	2.	ug/kg	99		79-124		
2,2-Dichloropropane	N.D.	2.	ug/kg	103		72-123		
cis-1,2-Dichloroethene	N.D.	2.	ug/kg	101		76-120		
Chloroform	N.D.	2.	ug/kg	103		81-117		
Bromochloromethane	N.D.	5.	ug/kg	109		75-121		
1,1,1-Trichloroethane	N.D.	2.	ug/kg	100		74-127		
Carbon Tetrachloride	N.D.	5.	ug/kg	101		69-130		
1,1-Dichloropropene	N.D.	2.	ug/kg	95		75-121		
Benzene	N.D.	2.	ug/kg	98		77-119		
1,2-Dichloroethane	N.D.	2.	ug/kg	107.		76-126		
Trichloroethene	N.D.	2.	ug/kg	100		81-114		
1,2-Dichloropropane	N.D.	2.	ug/kg	98		78-119		
Dibromomethane	N.D.	2.	ug/kg	105		79-118		
Bromodichloromethane	N.D.	2.	ug/kg	103		77-116		
Toluene	N.D.	2.	ug/kg	94		81-116		
1,1,2-Trichloroethane	N.D.	2.	ug/kg	97		74-117		
Tetrachloroethene	N.D.	2.	ug/kg	99		70-117		
1,3-Dichloropropane	N.D.	2.	ug/kg	94		80-115		
Dibromochloromethane	N.D.	2.	ug/kg	99		73-116		
1,2-Dibromoethane	N.D.	2.	ug/kg	96		77-114		
Chlorobenzene	N.D.	2.	ug/kg	99		81-112		
1,1,1,2-Tetrachloroethane	N.D.	5.	ug/kg	101		78-115		
Ethylbenzene	N.D.	2.	ug/kg	94		82-115		
m+p-Xylene	N.D.	2.	ug/kg	97		82-117		
o-Xylene	N.D.	2.	ug/kg	94		82-117		
Styrene	N.D.	2.	ug/kg	97		79-108		
Bromoform	N.D.	5.	ug/kg	100		71-111		
Isopropylbenzene	N.D.	2.	ug/kg	92		79-117		
1,1,2,2-Tetrachloroethane	N.D.	2.	ug/kg	83		71-121		
Bromobenzene	N.D.	5.	ug/kg	99		77-113		
1,2,3-Trichloropropane	N.D.	10.	ug/kg	88		67-126		
n-Propylbenzene	N.D.	2.	ug/kg	90		76-122		
2-Chlorotoluene	N.D.	5.	ug/kg	92		73-114		
1,3,5-Trimethylbenzene	N.D.	2.	ug/kg	90		74-112		
4-Chlorotoluene	N.D.	5.	ug/kg	95		75-110		
tert-Butylbenzene	N.D.	5.	ug/kg	87		72-113		
1,2,4-Trimethylbenzene	N.D.	2.	ug/kg	92		74-117		
sec-Butylbenzene	N.D.	5.	ug/kg	87		72-112		
p-Isopropyltoluene	N.D.	2.	ug/kg	91		72-113		
1,3-Dichlorobenzene	N.D.	2.	ug/kg	99		76-112		
1,4-Dichlorobenzene	N.D.	2.	ug/kg	98		78-108		
n-Butylbenzene	N.D.	5.	ug/kg	88		68-116		
1,2-Dichlorobenzene	N.D.	2.	ug/kg	98		81-109		
1,2-Dibromo-3-chloropropane	N.D.	5.	ug/kg	79		49-127		
1,2,4-Trichlorobenzene	N.D.	5.	ug/kg	97		60-116		
Hexachlorobutadiene	N.D.	5.	ug/kg	97		57-122		
Naphthalene	N.D.	5.	ug/kg	86		52-121		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 10/17/06 at 05:35 PM

Group Number: 1008916

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank Program RL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2,3-Trichlorobenzene	N.D.	5.	ug/kg	100		63-120		
Acetone	N.D.	7.	ug/kg	86		15-213		
Carbon Disulfide	N.D.	1.	ug/kg	97		69-109		
2-Butanone	N.D.	4.	ug/kg	88		37-162		
trans-1,3-Dichloropropene	N.D.	2.	ug/kg	94		81-119		
cis-1,3-Dichloropropene	N.D.	2.	ug/kg	97		72-117		
4-Methyl-2-pentanone	N.D.	3.	ug/kg	87		51-141		
2-Hexanone	N.D.	3.	ug/kg	81		38-154		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	77		41-173		
Freon 113	N.D.	2.	ug/kg	89		62-112		
Batch number: A062881AB Sample number(s): 4884347								
Methyl Tertiary Butyl Ether	N.D.	5.	ug/kg	92		72-117		
di-Isopropyl ether	N.D.	5.	ug/kg	85		72-120		
Ethyl t-butyl ether	N.D.	5.	ug/kg	86		72-115		
t-Amyl methyl ether	N.D.	5.	ug/kg	88		73-116		
t-Butyl alcohol	N.D.	100.	ug/kg	95		52-153		
Dichlorodifluoromethane	N.D.	5.	ug/kg	59		34-144		
Chloromethane	N.D.	5.	ug/kg	73		58-123		
Vinyl Chloride	N.D.	5.	ug/kg	72		60-118		
Bromomethane	N.D.	5.	ug/kg	87		61-118		
Chloroethane	N.D.	5.	ug/kg	79		63-120		
Trichlorofluoromethane	N.D.	5.	ug/kg	84		55-142		
1,1-Dichloroethane	N.D.	5.	ug/kg	96		74-115		
Methylene Chloride	N.D.	20.	ug/kg	96		75-120		
trans-1,2-Dichloroethene	N.D.	2.	ug/kg	97		77-113		
1,1-Dichloroethane	N.D.	2.	ug/kg	95		79-124		
2,2-Dichloropropane	N.D.	2.	ug/kg	102		72-123		
cis-1,2-Dichloroethene	N.D.	2.	ug/kg	99		76-120		
Chloroform	N.D.	2.	ug/kg	99		81-117		
Bromochloromethane	N.D.	5.	ug/kg	108		75-121		
1,1,1-Trichloroethane	N.D.	2.	ug/kg	100		74-127		
Carbon Tetrachloride	N.D.	5.	ug/kg	102		69-130		
1,1-Dichloropropene	N.D.	2.	ug/kg	92		75-121		
Benzene	N.D.	2.	ug/kg	96		77-119		
1,2-Dichloroethane	N.D.	2.	ug/kg	103		76-126		
Trichloroethene	N.D.	2.	ug/kg	98		81-114		
1,2-Dichloropropane	N.D.	2.	ug/kg	94		78-119		
Dibromomethane	N.D.	2.	ug/kg	100		79-118		
Bromodichloromethane	N.D.	2.	ug/kg	100		77-116		
Toluene	N.D.	2.	ug/kg	92		81-116		
1,1,2-Trichloroethane	N.D.	2.	ug/kg	95		74-117		
Tetrachloroethene	N.D.	2.	ug/kg	100		70-117		
1,3-Dichloropropane	N.D.	2.	ug/kg	93		80-115		
Dibromochloromethane	N.D.	2.	ug/kg	96		73-116		
1,2-Dibromoethane	N.D.	2.	ug/kg	92		77-114		
Chlorobenzene	N.D.	2.	ug/kg	97		81-112		
1,1,1,2-Tetrachloroethane	N.D.	5.	ug/kg	100		78-115		
Ethylbenzene	N.D.	2.	ug/kg	93		82-115		
m+p-Xylene	N.D.	2.	ug/kg	95		82-117		
o-Xylene	N.D.	2.	ug/kg	93		82-117		
Styrene	N.D.	2.	ug/kg	94		79-108		
Bromoform	N.D.	5.	ug/kg	98		71-111		
Isopropylbenzene	N.D.	2.	ug/kg	92		79-117		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 10/17/06 at 05:35 PM

Group Number: 1008916

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank Program RL	Report Units	LCS %REC	LCS D %REC	LCS/LCS D Limits	RPD	RPD Max
1,1,2,2-Tetrachloroethane	N.D.	2.	ug/kg	84		71-121		
Bromobenzene	N.D.	5.	ug/kg	98		77-113		
1,2,3-Trichloropropane	N.D.	10.	ug/kg	88		67-126		
n-Propylbenzene	N.D.	2.	ug/kg	90		76-122		
2-Chlorotoluene	N.D.	5.	ug/kg	92		73-114		
1,3,5-Trimethylbenzene	N.D.	2.	ug/kg	91		74-112		
4-Chlorotoluene	N.D.	5.	ug/kg	93		75-110		
tert-Butylbenzene	N.D.	5.	ug/kg	90		72-113		
1,2,4-Trimethylbenzene	N.D.	2.	ug/kg	92		74-117		
sec-Butylbenzene	N.D.	5.	ug/kg	91		72-112		
p-Isopropyltoluene	N.D.	2.	ug/kg	94		72-113		
1,3-Dichlorobenzene	N.D.	2.	ug/kg	97		76-112		
1,4-Dichlorobenzene	N.D.	2.	ug/kg	95		78-108		
n-Butylbenzene	N.D.	5.	ug/kg	89		68-116		
1,2-Dichlorobenzene	N.D.	2.	ug/kg	97		81-109		
1,2-Dibromo-3-chloropropane	N.D.	5.	ug/kg	80		49-127		
1,2,4-Trichlorobenzene	N.D.	5.	ug/kg	99		60-116		
Hexachlorobutadiene	N.D.	5.	ug/kg	104		57-122		
Naphthalene	N.D.	5.	ug/kg	86		52-121		
1,2,3-Trichlorobenzene	N.D.	5.	ug/kg	100		63-120		
Acetone	N.D.	7.	ug/kg	132		15-213		
Carbon Disulfide	N.D.	1.	ug/kg	94		69-109		
2-Butanone	N.D.	4.	ug/kg	106		37-162		
trans-1,3-Dichloropropene	N.D.	2.	ug/kg	93		81-119		
cis-1,3-Dichloropropene	N.D.	2.	ug/kg	96		72-117		
4-Methyl-2-pentanone	N.D.	3.	ug/kg	85		51-141		
2-Hexanone	N.D.	3.	ug/kg	88		38-154		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	71		41-173		
Freon 113	N.D.	2.	ug/kg	92		62-112		

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06283A02A TPH-GRO - Soils	88	96	39-118	9	30				
Sample number(s): 4884345-4884348 UNSPK: P884336									
Batch number: 062860013A PCB-1016 PCB-1260	87 98	85 98	45-125 62-130	3 0	50 50				
Sample number(s): 4884346,4884351 UNSPK: P887727									
Batch number: 062885708002 Thallium Arsenic Selenium Antimony Barium Beryllium Cadmium	80 109 101 23* 124 100 92	92 154* 124 21* 104 101 94	75-125 75-125 75-125 75-125 75-125 83-111 75-125	15 21* 16 8 10 0 1	20 20 20 20 20 20 20	N.D. 11.3 3.99 N.D. 161. 1.28 0.501	N.D. 13.9 4.16 N.D. 182. 1.30 N.D.	63* (1) 21* 4 (1) 200* (1) 12 2 (1) 7 (1)	20 20 20 20 20 20 20

*- Outside of specification

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- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 10/17/06 at 05:35 PM

Group Number: 1008916

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chromium	91	92	75-125	0	20	9.82	9.57	3	20
Cobalt	92	96	81-110	3	20	4.96	5.14	4	20
Copper	85	91	75-125	4	20	18.2	14.4	24*	20
Lead	81	100	75-125	12	20	8.16	7.55	8	20
Molybdenum	88	88	77-110	0	20	1.48	N.D.	4 (1)	20
Nickel	90	93	75-125	2	20	23.7	24.2	2	20
Silver	97	98	75-125	1	20	N.D.	N.D.	17 (1)	20
Vanadium	90	90	75-125	0	20	17.8	17.8	0	20
Zinc	85	86	75-125	1	20	40.0	39.3	2	20

Batch number: 062885711002

Sample number(s): 4884346-4884347 UNSPK: P884379 BKG: P884379

Mercury	100	100	80-120	0	20	0.142	0.136	4 (1)	20
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Batch number: A062821AA

Sample number(s): 4884346 UNSPK: P883060

Methyl Tertiary Butyl Ether	90	98	47-130	8	30				
di-Isopropyl ether	87	86	58-122	1	30				
Ethyl t-butyl ether	85	88	57-122	2	30				
t-Amyl methyl ether	85	90	58-119	5	30				
t-Butyl alcohol	88	93	51-134	4	30				
Dichlorodifluoromethane	54	49	28-136	10	30				
Chloromethane	76	70	47-116	8	30				
Vinyl Chloride	75	69	48-113	8	30				
Bromomethane	89	83	50-114	7	30				
Chloroethane	83	77	52-114	8	30				
Trichlorofluoromethane	75	69	49-127	9	30				
1,1-Dichloroethene	93	85	56-113	10	30				
Methylene Chloride	106	110	42-131	3	30				
trans-1,2-Dichloroethene	95	89	60-110	7	30				
1,1-Dichloroethane	96	90	65-115	6	30				
2,2-Dichloropropane	95	87	58-122	9	30				
cis-1,2-Dichloroethene	96	91	59-118	5	30				
Chloroform	98	92	65-126	6	30				
Bromochloromethane	103	101	65-116	2	30				
1,1,1-Trichloroethane	91	82	57-125	10	30				
Carbon Tetrachloride	82	74	51-127	10	30				
1,1-Dichloropropene	79	71	57-114	10	30				
Benzene	94	85	59-120	9	30				
1,2-Dichloroethane	98	97	62-130	1	30				
Trichloroethene	84	78	48-124	8	30				
1,2-Dichloropropane	89	85	64-120	5	30				
Dibromomethane	92	94	61-118	2	30				
Bromodichloromethane	90	87	57-117	3	30				
Toluene	97	50*	52-121	22	30				
1,1,2-Trichloroethane	102	100	64-118	3	30				
Tetrachloroethene	76	67	41-128	12	30				
1,3-Dichloropropane	98	95	62-119	3	30				
Dibromochloromethane	94	90	58-113	4	30				
1,2-Dibromoethane	94	95	62-116	1	30				
Chlorobenzene	85	76	58-109	11	30				
1,1,1,2-Tetrachloroethane	92	84	58-115	9	30				
Ethylbenzene	79	65	54-116	15	30				
m-p-Xylene	80	58	44-127	18	30				
o-Xylene	80	60	44-127	17	30				

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 10/17/06 at 05:35 PM

Group Number: 1008916

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Styrene	77	70	48-111	10	30				
Bromoform	83	84	45-113	2	30				
Isopropylbenzene	60	54	41-120	11	30				
1,1,2,2-Tetrachloroethane	117	111	37-142	6	30				
Bromobenzene	110	93	52-118	17	30				
1,2,3-Trichloropropane	130	121	41-151	7	30				
n-Propylbenzene	79	64	44-130	20	30				
2-Chlorotoluene	92	76	48-123	19	30				
1,3,5-Trimethylbenzene	80	61	47-130	21	30				
4-Chlorotoluene	90	76	52-113	17	30				
tert-Butylbenzene	71	58	44-118	20	30				
1,2,4-Trimethylbenzene	85	59	47-122	23	30				
sec-Butylbenzene	58	49	38-124	18	30				
p-Isopropyltoluene	61	50	34-131	20	30				
1,3-Dichlorobenzene	79	69	47-109	14	30				
1,4-Dichlorobenzene	81	70	47-109	15	30				
n-Butylbenzene	49	42	32-129	17	30				
1,2-Dichlorobenzene	77	68	41-117	12	30				
1,2-Dibromo-3-chloropropane	98	96	39-128	2	30				
1,2,4-Trichlorobenzene	44	41	7-121	8	30				
Hexachlorobutadiene	30	24	1-128	20	30				
Naphthalene	49	48	2-121	2	30				
1,2,3-Trichlorobenzene	38	37	8-118	3	30				
Acetone	107	146	16-210	28	30				
Carbon Disulfide	91	79	45-107	12	30				
2-Butanone	92	109	37-148	17	30				
trans-1,3-Dichloropropene	93	89	60-118	5	30				
cis-1,3-Dichloropropene	84	82	56-112	3	30				
4-Methyl-2-pentanone	82	99	37-138	18	30				
2-Hexanone	100	115	33-146	14	30				
2-Chloroethyl Vinyl Ether	81	89	26-154	9	30				
Freon 113	71	64	45-107	10	30				
Batch number: A062881AB Sample number(s): 4884347 UNSPK: P887885									
Methyl Tertiary Butyl Ether	79	71	47-130	11	30				
di-Isopropyl ether	73	66	58-122	11	30				
Ethyl t-butyl ether	75	68	57-122	11	30				
t-Amyl methyl ether	74	67	58-119	10	30				
t-Butyl alcohol	85	65	51-134	26	30				
Dichlorodifluoromethane	50	46	28-136	9	30				
Chloromethane	61	56	47-116	10	30				
Vinyl Chloride	62	55	48-113	12	30				
Bromomethane	75	67	50-114	12	30				
Chloroethane	68	62	52-114	9	30				
Trichlorofluoromethane	70	63	49-127	12	30				
1,1-Dichloroethene	82	75	56-113	10	30				
Methylene Chloride	88	79	42-131	11	30				
trans-1,2-Dichloroethene	83	75	60-110	11	30				
1,1-Dichloroethane	82	75	65-115	9	30				
2,2-Dichloropropane	86	77	58-122	11	30				
cis-1,2-Dichloroethene	85	77	59-118	11	30				
Chloroform	86	77	65-126	12	30				
Bromochloromethane	93	82	65-116	12	30				

*- Outside of specification

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Quality Control Summary

 Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 10/17/06 at 05:35 PM

Group Number: 1008916

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,1-Trichloroethane	83	74	57-125	11	30				
Carbon Tetrachloride	82	72	51-127	13	30				
1,1-Dichloropropene	76	67	57-114	12	30				
Benzene	81	73	59-120	11	30				
1,2-Dichloroethane	87	77	62-130	12	30				
Trichloroethene	81	73	48-124	11	30				
1,2-Dichloropropane	79	72	64-120	10	30				
Dibromomethane	85	75	61-118	12	30				
Bromodichloromethane	83	75	57-117	10	30				
Toluene	75	64	52-121	15	30				
1,1,2-Trichloroethane	88	74	64-118	18	30				
Tetrachloroethene	89	76	41-128	17	30				
1,3-Dichloropropane	77	68	62-119	13	30				
Dibromochloromethane	78	68	58-113	13	30				
1,2-Dibromoethane	78	68	62-116	14	30				
Chlorobenzene	77	66	58-109	15	30				
1,1,1,2-Tetrachloroethane	81	71	58-115	13	30				
Ethylbenzene	73	61	54-116	18	30				
m+p-Xylene	73	61	44-127	18	30				
o-Xylene	75	63	44-127	18	30				
Styrene	71	59	48-111	18	30				
Bromoform	76	67	45-113	13	30				
Isopropylbenzene	70	58	41-120	19	30				
1,1,2,2-Tetrachloroethane	79	63	37-142	24	30				
Bromobenzene	80	65	52-118	21	30				
1,2,3-Trichloropropane	80	65	41-151	20	30				
n-Propylbenzene	69	54	44-130	24	30				
2-Chlorotoluene	74	59	48-123	23	30				
1,3,5-Trimethylbenzene	75	57	47-130	28	30				
4-Chlorotoluene	75	59	52-113	24	30				
tert-Butylbenzene	69	55	44-118	22	30				
1,2,4-Trimethylbenzene	70	55	47-122	24	30				
sec-Butylbenzene	64	50	38-124	24	30				
p-Isopropyltoluene	68	54	34-131	24	30				
1,3-Dichlorobenzene	73	58	47-109	23	30				
1,4-Dichlorobenzene	71	58	47-109	21	30				
n-Butylbenzene	57	46	32-129	21	30				
1,2-Dichlorobenzene	72	58	41-117	21	30				
1,2-Dibromo-3-chloropropane	73	59	39-128	22	30				
1,2,4-Trichlorobenzene	58	54	7-121	8	30				
Hexachlorobutadiene	41	43	1-128	4	30				
Naphthalene	61	54	2-121	12	30				
1,2,3-Trichlorobenzene	55	53	8-118	3	30				
Acetone	134	119	16-210	13	30				
Carbon Disulfide	79	71	45-107	11	30				
2-Butanone	97	89	37-148	8	30				
trans-1,3-Dichloropropene	77	68	60-118	13	30				
cis-1,3-Dichloropropene	79	71	56-112	11	30				
4-Methyl-2-pentanone	71	66	37-138	8	30				
2-Hexanone	77	72	33-146	7	30				
2-Chloroethyl Vinyl Ether	59	51	26-154	14	30				
Freon 113	76	66	45-107	13	30				

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 10/17/06 at 05:35 PM

Group Number: 1008916

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: DRO/ORO in Soil
 Batch number: 062820003A
 Orthoterphenl

4884345	81
4884346	278*
4884347	82
4884348	89
4884349	76
4884350	82
4884351	82
4884352	82
Blank	82
LCS	89
LCSD	90

Limits: 27-139

 Analysis Name: TPH-GRO - Soils
 Batch number: 06283A02A
 Trifluorotoluene-F

4884345	93
4884346	45*
4884347	88
4884348	93
Blank	99
LCS	99
MS	87
MSD	92

Limits: 61-122

 Analysis Name: PCBs in Solids
 Batch number: 062860013A
 Tetrachloro-m-xylene Decachlorobiphenyl

4884346	78	89
4884351	94	95
Blank	90	91
LCS	75	77
MS	89	87
MSD	89	88

Limits: 53-139 53-142

 Analysis Name: EPA SW 846/8260 - Soil
 Batch number: A062821AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4884346	100	93	92	99
Blank	101	94	91	86

*- Outside of specification

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Quality Control Summary

Client Name: ChevronTexaco c/o SECOR Int.
Reported: 10/17/06 at 05:35 PM

Group Number: 1008916

Surrogate Quality Control

LCS	102	96	94	94
MS	103	96	104	80
MSD	104	101	101	83
Limits:	71-114	70-109	70-123	70-111

Analysis Name: EPA SW 846/8260 - Soil
Batch number: A062881AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4884347	102	102	89	87
Blank	100	94	90	85
LCS	100	96	93	92
MS	100	96	93	89
MSD	101	99	92	91
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
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Chevron California Region Analysis Request Chain of Custody



1008916 / 4884345-52

11647

For Lancaster Laboratories use only

Sample #: 4884324-33

241497

SR# 16498 Am. 1/17/06

1008913

Facility #: Chevron 93415

Site Address: 4500 Park Blvd. Oakland CA

Chevron PM: SKY Pancy ^{Dana} Thompson Lead Consultant: SECOR

Consultant/Office: Redlands, CA

Consultant Prj. Mgr.: SKY Pancy

Consultant Phone #: 904-335-6116 Fax #: _____

Sampler: Sahn Muson

Service Order #: _____ Non SAR:

Analyses Requested

Preservation Codes										
<input type="checkbox"/>	BTEX + MTBE	8260	<input type="checkbox"/>	8021	<input type="checkbox"/>					
<input type="checkbox"/>	TPH 8015 MOD	GRO	<input type="checkbox"/>	TPH 8015 MOD DRO	<input type="checkbox"/>	Silica Gel Cleanup	<input type="checkbox"/>	8260 full scan	<input type="checkbox"/>	Oxygenates
<input type="checkbox"/>	Lead 7420	<input type="checkbox"/>	7421	<input type="checkbox"/>	TPH / GEL / OXY / ENH / 8260 B	<input type="checkbox"/>	TPH-DRO-ORO	<input type="checkbox"/>	8015 B	<input type="checkbox"/>

Preservative Codes

H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run ___ oxy's on highest hit
- Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE	8260	8021	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	TPH / GEL / OXY / ENH / 8260 B	TPH-DRO-ORO	8015 B	
BA-2	S		25	20061005	1355	Y	X		1															
BA-4			5	20061003	1415																			
BA-4			10	20061005	1440																			
BA-4			15	20061005	1445																	X		
BA-4			20	20061005	1455																			
BA-4			25	20061005	1500																	X		
BA-5			5	20061003	1550																			
BA-5			10	20061005	1620																			
BA-5			15	20061005	1630																	X		
BA-5			20	20061005	1635																	X		
BA-6			5	20061003	0940																			
BA-6			10	20061005	0745																			
BA-6			15	20061005	0750																	X	X	

Comments / Remarks

BA-6 sample is 48 hr TAT

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>10/6</u>	Time: <u>12:00</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by Commercial Carrier: UPS <u>FedEx</u> Other <u>N/A</u>	Temperature Upon Receipt <u>3.6</u> °C		Received by: <u>Mary Beth Jones</u>	Date: <u>10/6</u>	Time: <u>0930</u>
			Custody Seals Intact? <u>Yes</u> No		

Chevron California Region Analysis Request/Chain of Custody



241496

For Lancaster Laboratories use only
 Acct #: 11647 Sample #: 100 8916 / 488438552 SCR#:

Facility #: <u>Chevron 43415</u> Site Address: <u>1500 Park Blvd. Oakland CA</u> Chevron PM: <u>Skip Ramey</u> ^{Dunn} Thurman Lead Consultant: <u>SE COR</u> Consultant/Office: <u>Redlands, CA</u> Consultant Prj. Mgr.: <u>Skip Ramey</u> Consultant Phone #: <u>909-8335-0116</u> Fax #: _____ Sampler: <u>John Mason</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____							Analyses Requested										Preservative Codes			
							Preservation Codes										H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits			
							Total Number of Containers BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> TPH 8015 MOD GRO TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup 8260 full scan _____ Oxygenates Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> <u>TPH BT Ex / Oxy's / Ethyl 8260 B</u> <u>TPH - MOD 7420 v.a. 8015 B</u>													
Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite											Comments / Remarks	
<u>BA-6</u>	<u>S</u>		<u>20</u>	<u>20061005</u>	<u>0755</u>	<u>Y</u>	<u>X</u>													
<u>BA-6</u>	<u>S</u>		<u>25</u>	<u>20061005</u>	<u>0900</u>	<u>Y</u>	<u>X</u>													
							Relinquished by: <u>[Signature]</u> Date: <u>10/6</u> Time: <u>1:00</u>			Received by: _____ Date: _____ Time: _____										
							Relinquished by: _____ Date: _____ Time: _____			Received by: _____ Date: _____ Time: _____										
							Relinquished by: _____ Date: _____ Time: _____			Received by: _____ Date: _____ Time: _____										
Turnaround Time Requested (TAT) (please circle) STD. TAT 72 hour <u>48 hour</u> 24 hour 4 day 5 day							Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx Other <u>N/A</u>			Received by: <u>Mary Beth Stomer</u> Date: <u>10/7/06</u> Time: <u>0930</u>										
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk							Temperature Upon Receipt <u>3.6</u> °C			Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										

Chevron California Region Analysis Request/Chain of Custody



Acct #: 11647 For Lancaster Laboratories use only
 Sample #: 4884345-52 SCR#: 241499
34082

91#1008916

Facility #: Chevron 93415
 Site Address: 4500 Park Blvd Oakland CA
 Chevron PM: Steve Ponce Lead Consultant: SECOR
 Consultant/Office: Redlands, CA
 Consultant Prj. Mgr.: Steve Ponce
 Consultant Phone #: 909-335-6116 Fax #: _____
 Sampler: John Mason
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes										
Total Number of Containers	BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TH - DRO - ORD via 8021	GRO		
Composite										
Grab										

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run ___ oxy's on highest hit
- Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.
BA-8	S		5	20061003	0815	Y
BA-8			10	20061004	1440	
BA-8			15	20061004	1450	
BA-8			20	20061004	1500	
BA-8			25	20061004	1505	
BA-8			30	20061004	1515	
BA-9			5	20061004	1205	
BA-9			10	20061004	1225	
BA-9			15	20061004	1350	
BA-10			5	20061004	0935	
BA-10			10	20061004	1005	
BA-10			15	20061004	1115	

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
 STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Relinquished by: <u>[Signature]</u>	Date: <u>10-30-06</u>	Time: <u>1300</u>	Received by: _____	Date: _____	Time: _____
Relinquished by: <u>[Signature]</u>	Date: <u>10/6</u>	Time: <u>12:00</u>	Received by: _____	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____

Data Package Options (please circle if required)
 QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: Commercial Carrier: _____	Received by: <u>Mary Beth Stoner</u>	Date: <u>10/16</u>	Time: <u>0930</u>
UPS <u>FedEx</u> Other: <u>N/A</u>	Custody Seals Intact? <u>Yes</u> No		
Temperature Upon Receipt: <u>36</u> °C			

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike amount not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
P	Concentration difference between primary and confirmation columns >25%	*	Duplicate analysis not within control limits
U	Compound was not detected	+	Correlation coefficient for MSA <0.995
X,Y,Z	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

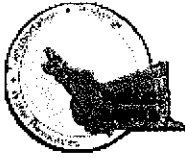
Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

APPENDIX F
INVESTIGATION DERIVED WASTE
TRANSPORTATION AND DISPOSAL DOCUMENTATION
(INCLUDED UNDER SEPARATE COVER)

APPENDIX G
SOIL BORING PERMIT

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 08/02/2006 By jamesy

Permit Numbers: W2006-0693
Permits Valid from 08/23/2006 to 08/25/2006

Application Id: 1154374921349
Site Location: 4500 Park Blvd, Oakland, CA 94602

City of Project Site:Oakland

Project Start Date: (Chevron Station 9-3415)
08/23/2006

Completion Date:08/25/2006

Applicant: SECOR - H.D. Pouncey
25864 F Business Center Dr., Redlands, CA 92374

Phone: 909-335-6116

Property Owner: Chevron Gas Station
600 Bollinger Canyon Rd., San Ramon, CA 94583

Phone: 925-842-9559

Client: ** same as Property Owner **

	Total Due:	\$200.00
Receipt Number: WR2006-0365	Total Amount Paid:	\$200.00
Payer Name : Secor	Paid By: CHECK	PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Geotechnical Study/CPT's - 8 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: auger

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0693	08/02/2006	11/21/2006	8	10.00 in.	30.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

Alameda County Public Works Agency - Water Resources Well Permit

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
 7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.
-

PROGRAMS AND SERVICES

Well Standards Program

The Alameda County Public Works Agency, Water Resources is located at:

399 Elmhurst Street

Hayward, CA 94544

For Driving Directions or General Info, Please Contact 510-670-5480 or wells@acpwa.org

For Drilling Permit information and process contact James Yoo at

Phone: 510-670-6633

FAX: 510-782-1939

Email: Jamesy@acpwa.org

Alameda County Public Works is the administering agency of General Ordinance Code, Chapter 6.88 . The purpose of this chapter is to provide for the regulation of groundwater wells and exploratory holes as required by California Water Code. The provisions of these laws are administered and enforced by Alameda County Public Works Agency through its Well Standards Program.

Drilling Permit Jurisdictions in Alameda County: There are four jurisdictions in Alameda County.

Location: Agency with Jurisdiction Contact Number

Berkeley City of Berkeley Ph: 510-981-7460

Fax: 510-540-5672

Fremont, Newark, Union City Alameda County Water District Ph: 510-668-4460

Fax: 510-651-1760

Pleasanton, Dublin, Livermore, Sunol Zone 7 Water Agency Ph: 925-454-5000

Fax: 510-454-5728

The Alameda County Public Works Agency, Water Resources has the responsibility and authority to issue drilling permits and to enforce the County Water Well Ordinance 73-68. This jurisdiction covers the western Alameda County area of **Oakland, Alameda, Piedmont, Emeryville, Albany, San Leandro, San Lorenzo, Castro Valley, and Hayward** . The purpose of the drilling permits are to ensure that any new well or the destruction of wells, including geotechnical investigations and environmental sampling within the above jurisdiction and within Alameda County will not cause pollution or contamination of ground water or otherwise jeopardize the health, safety or welfare of the people of Alameda County.

Permits are required for all work pertaining to wells and exploratory holes at any depth within the jurisdiction of the Well Standards Program. A completed permit application (30 Kb)* , along with a site map, should be submitted at least **ten (10) working days prior to the planned start of work**. Submittals should be sent to the address or fax number provided on the application form. When submitting an application via fax, please use a high resolution scan to retain legibility.

Fees

Beginning April 11, 2005 , the following fees shall apply:

A permit to construct, rehabilitate, or destroy wells, including cathodic protection wells, but excluding dewatering wells (*Horizontal hillside dewatering and dewatering for construction period only), shall cost \$300.00 per well.

A permit to bore exploratory holes, including temporary test wells, shall cost \$200 per site. A site includes the project parcel as well as any adjoining parcels.

Please make checks payable to: **Treasurer, County of Alameda**

Permit Fees are exempt to State & Federal Projects

Applicants shall submit a letter from the agency requesting the fee exemption.

Scheduling Work/Inspections:

Alameda County Public Works Agency (ACPWA), Water Resources Section requires scheduling and inspection of permitted work. All drilling activities must be scheduled in advance. Availability of inspections will vary from week to week and will come on a first come, first served bases. To ensure inspection availability on your desired or driller scheduled date, the following procedures are required:

Please contact **James Yoo at 510-670-6633** to schedule the inspection date and time (You must have drilling permit approved prior to scheduling).

Schedule the work as far in advance as possible (at least 5 days in advance); and confirm the scheduled drilling date(s) at least 24 hours prior to drilling.

Once the work has been scheduled, an ACPWA Inspector will coordinate the inspection requirements as well as how the Inspector can be reached if they are not at the site when Inspection is required. Expect for special circumstances given, all work will require the inspection to be conducted during the working hours of 8:30am to 2:30pm., Monday to Friday, excluding holidays.

Request for Permit Extension:

Permits are only valid from the start date to the completion date as stated on the drilling permit application and Conditions of Approval. To request an extension of a drilling permit application, applicants must request in writing prior to the completion date as set forth in the Conditions of Approval of the drilling permit application. Please send fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. There are no additional fees for permit extensions or for re-scheduling inspection dates. You may not extend your drilling permit dates beyond 90 days from the approval date of the permit application. **NO refunds** shall be given back after 90 days and the permit shall be deemed voided.

Cancel a Drilling Permit:

Applicants may cancel a drilling permit only in writing by mail, fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. If you do not cancel your drilling permit application before the drilling completion date or notify in writing within 90 days, Alameda County Public Works Agency, Water Resources Section may void the permit and No refunds may be given back.

Refunds/Service Charge:

A service charge of \$25.00 dollars for the first check returned and \$35.00 dollars for each subsequent check returned.

Applicants who cancel a drilling permit application **before** we issue the approved permit(s), will receive a **FULL** refund (at any amount) and will be mailed back within two weeks.

Applicants who cancel a drilling permit application **after** a permit has been issued will then be charged a service fee of \$50.00 (fifty Dollars).

To collect the remaining funds will be determined by the amount of the refund to be refunded (see process below).

Board of Supervisors Minute Order, File No. 9763, dated January 9, 1996, gives blanket authority to the Auditor-Controller to process claims, from all County departments for the refund of fees which do not exceed \$500 (Five Hundred Dollars)(with the exception of the County Clerk whose limit is \$1,500).

Refunds over the amounts must be authorized by the Board of Supervisors Minute Order, File No. 9763 require specific approval by the Board of Supervisors. The forms to request for refunds under \$500.00 (Five Hundred Dollars) are available at this office or any County Offices. If the amount is exceeded, a Board letter and Minute Order must accompany the claim. Applicant shall fill out the request form and the County Fiscal department will process the request.

Enforcement

Penalty. Any person who does any work for which a permit is required by this chapter and who fails to obtain a permit shall be guilty of a misdemeanor punishable by fine not exceeding Five Hundred Dollars (\$500.00) or by imprisonment not exceeding six months, or by both such fine and imprisonment, and such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any such

violation is committed, continued, or permitted, and shall be subject to the same punishment as for the original offense. (Prior gen. code §3-160.6)

Enforcement actions will be determined by this office on a case-by-case basis

Drilling without a permit shall be the cost of the permit(s) and a fine of \$500.00 (Five Hundred Dollars).

Well Completion Reports (State DWR-188 forms) must be filed with the Well Standards Program within 60 days of completing work. Staff will review the report, assign a state well number, and then forward it to the California Department of Water Resources (DWR). Drillers should not send completed reports to DWR directly. Failure to file a Well Completion Report or deliberate falsification of the information is a misdemeanor; it is also grounds for disciplinary action by the Contractors' State License Board. Also note that filed Well Completion Reports are considered private record protected by state law and can only be released to the well owner or those specifically authorized by government agencies.

See our website (www.acgov.org/pwa/wells/index.shtml) for links to additional forms.