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Lafayette, CA 94549
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July 18, 2005

Mr. Jerry Wickham, P.G.
Alameda County Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: Subsurface Investigation Report
PG&E Livermore Training Center
7205 National Drive, Livermore, California
Fuel Leak Case No. RO0002504
SECOR PN: 05OT.50212.00.0003

Dear Mr. Wickham:

SECOR International Incorporated (SECOR), on behalf of Pacific Gas & Electric Company (PG&E), is submitting the enclosed *Subsurface Investigation Report.* This document describes recent soil and groundwater sampling performed by SECOR at PG&E's Livermore Training Center located at 7205 National Drive in Livermore, California (the Site).

According to Mr. Drew Squyres, Senior Project Manager with PG&E Environmental Affairs, PG&E received a letter from your office dated June 28, 2005, requesting a work plan for additional characterization work at the Site. As discussed between you and Mr. Squyres, additional work was performed at the Site in June 2005. The objectives, methods, results, and findings of the investigation are described in the attached document. Because the work was performed prior to PG&E's receipt of your letter, no formal work plan was developed.

Should you have any questions or comments, please contact Mr. Squyres at (805) 546-3854, or the undersigned at (925) 299-9300 ext. 237.

Sincerely,
SECOR International Incorporated

Neil H. Doran
Associate Geologist

Enclosure

cc: Mr. Drew Squyres, PG&E
Mr. Juan Jayo, PG&E
Ms. Colleen Winey, Alameda County Zone 7 Water Agency

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SUBSURFACE INVESTIGATION REPORT

Pacific Gas & Electric Company
Livermore Training Center
7205 National Drive
Livermore, California

July 18, 2005
SECOR PN: 05OT.50212.00

Prepared for:

Mr. Juan Jayo
Pacific Gas & Electric Company
Law Department, Mail Code B30A
77 Beale Street
San Francisco, CA 94105

Submitted by:

SECOR International Incorporated
57 Lafayette Circle, 2nd Floor
Lafayette, California 94549

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LIST OF APPENDICES

This material and data in this report were prepared under the supervision and direction of the undersigned. This report was prepared consistent with current and generally accepted geologic and environmental consulting principles and practices that are within the limitations provided herein.

Submitted by:

SECOR International Incorporated
57 Lafayette Circle, 2nd Floor
Lafayette, California 94549

Prepared for:
Pacific Gas & Electric Company
Mail Code B30A
77 Beale Street
San Francisco, CA 94105

Prepared by:

Neil H. Doran
Associate Geologist

Reviewed by:

Bruce E. Scarbrough, PG # 4931
Managing Principal

REGISTERED GEOLOGIST
BRUCE SCARBROUGH
No. 4931
Exp. 10/05
STATE OF CALIFORNIA

1.0 INTRODUCTION

SECOR International Incorporated (SECOR), on behalf of Pacific Gas & Electric Company (PG&E), completed a subsurface investigation at the PG&E training center located at 7205 National Drive in Livermore, California (Figure 1). The objectives of the investigation were: 1) assess whether soil and groundwater beneath a former refueling station has been impacted by historical fuel storage and refueling operations; and 2) determine if elevated concentrations of fuel oxygenates reported in a grab water sample taken in December 2003 from the excavation during underground storage tank (UST) removal are representative of groundwater conditions. Subsurface investigation activities were conducted on June 3, 2005.

2.0 BACKGROUND

The Site is located in the Las Positas Valley area of eastern Livermore, California (see Figure 1, Site Location Map) approximately one mile southeast of Interstate 580 and approximately one-half mile north of the Lawrence Livermore National Laboratory. The Site is approximately 580 feet above sea level. Topography slopes gently to the northwest and rises to approximately 1,800 feet in the hills east of the Site.

According to documentation provided by PG&E, one 3,000-gallon unleaded gasoline UST and one 3,000-gallon diesel UST were removed from the Site in December 2003. The Site layout, including the approximate location of the former USTs, is depicted on Figure 2. Analytical results from confirmation soil samples obtained during UST removal reported no detectable concentrations of petroleum hydrocarbons or related constituents. Analytical results from a grab water sample obtained from the open UST pit reported methyl tert-butyl ether (MtBE) at 7,500 micrograms per liter (µg/L) and tert-butyl alcohol (TBA) at 2,200 µg/L. According to the UST removal report, the water may have originated from a broken underground pipe located several feet below ground surface (bgs).

The former USTs were subsequently replaced by aboveground storage tanks (ASTs) located directly above the former UST excavation. The locations of the former USTs and fuel dispensers, and the current ASTs, are illustrated on Figure 3. The scope of work described herein was intended to characterize concentrations of petroleum hydrocarbons and fuel oxygenates in soil and groundwater beneath the former USTs, and to determine if elevated concentrations of fuel oxygenates reported in the grab water sample taken from the excavation during UST removal are representative of groundwater conditions.

3.0 FIELD INVESTIGATION

On June 3, 2005, three soil borings were advanced using a direct-push drill rig at locations shown on Figure 3. Boreholes were advanced to a maximum depth of 32 feet bgs by Gregg Drilling and Testing. SECOR logged the boreholes continuously from the surface to the total depth of investigation and collected grab groundwater samples from two of the three boreholes. SECOR collected a vadose-zone soil sample from just above the groundwater table in two boreholes, and from the deepest point of investigation in the third.

3.1 Hydrogeologic Data Review

A review of the regional topography suggests that shallow groundwater beneath the Site likely flows to the west-northwest, as indicated by the relative highlands east of the Site. Mr. Jerry Gates, an engineer with the Alameda County Flood Control and Water Conservation District – Zone 7, confirmed that first-encountered groundwater in the vicinity of the Site is known to flow towards the west and northwest. Mr. Gates said that groundwater in the area is typically encountered at approximately 17 feet bgs. PG&E provided borehole logs and well construction diagrams for three wells installed at the Site in 1990. Although the locations of the wells in relation to the former USTs is not known, these logs indicated that first-encountered groundwater was encountered at approximately 30 feet bgs.

Based on this review, SECOR determined that direct-push technology was an appropriate method for obtaining grab samples from the first-encountered water-bearing zone, and that soil borings B-2 and B-3 were appropriately located for evaluating groundwater impacts hydraulically downgradient (west) of the former UST excavation. Soil boring B-1 was advanced east of the former UST excavation to evaluate groundwater conditions hydraulically upgradient of the former USTs.

3.2 Preliminary Activities

Prior to performing subsurface investigation activities on June 3, 2005, SECOR performed the following preliminary tasks:

- Obtained a soil boring permit from the Alameda County Flood Control and Water Conservation District – Zone 7 (attached as Appendix A);
- Marked the work area in white paint and notified Underground Service Alert (USA) five working days before beginning drilling;
- Contracted with Cruz Brothers Locators to confirm the absence of subsurface utilities in the proposed soil boring locations; and

- Prepared a Site-specific health and safety plan (HASP) describing potential chemical and physical hazards associated with the scope of work and steps to be taken to protect human health and the environment.

3.3 Field Activities

The following sections describe activities that were performed in collecting soil and grab groundwater samples. In summary:

- SECOR advanced three direct-push soil borings at locations immediately surrounding the former UST excavation. In order to confirm the absence of subsurface utilities or other obstructions, each borehole was advanced to 5 feet bgs using a hand auger;
- Soil borings were advanced to depths ranging from approximately 24 to 32 feet bgs;
- Groundwater was encountered in soil borings B-1 and B-3 at 28 feet bgs;
- Soil boring B-2 was abandoned at 24 feet bgs due to refusal, and groundwater was not encountered in this borehole; and
- Following sample collection at each location, the drilling and sampling equipment was removed and the soil boring was backfilled to existing grade with neat cement grout.

3.3.1 Soil Sample Collection and Analysis

During borehole advancement, continuous soil cores were examined for lithologic composition and screened for organic vapors using a photo-ionization detector (PID). Recovered soils were screened at regular intervals by analyzing headspace in a plastic bag containing a quantity of soil. Measured organic vapor concentrations were minor and ranged from 0.4 to 3.4 parts per million (ppm).

Subsurface materials were logged by a SECOR geologist in accordance with the Unified Soil Classification System (USCS), and soil classifications and related observations were recorded on soil boring logs (attached as Appendix B). Subsurface materials consist primarily of clay and clayey sand to approximately 22 to 24 feet bgs, interrupted by a laterally continuous layer of fine- to coarse-grained sand between approximately 15 and 18 feet bgs. The first-encountered water-bearing zone consists of sandy silt beneath the clayey sand at approximately 24 feet bgs. This unit graded to clayey sand at 27 feet bgs in boring B-1. The lower boundary of this unit was undefined in borings B-2 and B-3 due to incomplete recovery of soil cores through the saturated zone.

Soil samples were collected from representative intervals by capping the acetate soil core liners with Teflon® tape and plastic end caps. Soil samples were labeled and immediately placed in an ice-filled cooler for transport to Severn Trent Laboratories, Inc. (STL) in Pleasanton, California, a state of California-certified laboratory, under chain-of-custody documentation.

The deepest vadose-zone soil sample collected from each borehole was analyzed for the following constituents:

- Total petroleum hydrocarbons as gasoline (TPH/g) and diesel-range organics (DRO) by modified U.S. Environmental Protection Agency (EPA) Method 8015M;
- Aromatic hydrocarbons as benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260B; and
- Fuel oxygenates as TBA, MtBE, di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-amyl methyl ether (TAME) by EPA Method 8260B.

3.3.2 Grab Groundwater Sample Collection and Analysis

Grab groundwater samples were collected from soil borings B-1 and B-3 by inserting a temporary polyvinyl chloride (PVC) well screen into the borehole. Following infiltration of groundwater, samples were collected using a new, disposable bailer at each location. Recovered groundwater was transferred to laboratory-supplied containers, and care was taken during this process to avoid turbulence and minimize headspace. Sample containers were labeled and immediately placed in an ice-filled cooler for transport to STL in Pleasanton, California for analysis.

Grab groundwater samples were analyzed for the following constituents:

- TPH/g and DRO by modified EPA Method 8015M;
- BTEX by EPA Method 8260B; and
- TBA, MtBE, DIPE, ETBE, and TAME by EPA Method 8260B.

3.3.3 Decontamination Procedures

Soil and groundwater sampling equipment was decontaminated prior to arrival on-site and between soil borings using a high-pressure washing system. Rinsate was contained by the drillers in the decontamination unit. Soil cuttings generated during field activities were placed into steel 5-gallon pails with lids and stored on-site pending analysis and subsequent disposal by PG&E.

4.0 ANALYTICAL TESTING RESULTS

Soil sample analytical results are summarized in Table 1 and grab groundwater sample analytical results are summarized in Table 2. For comparison purposes, Tables 1 and 2 include Environmental Screening Levels (ESLs) published by the California Regional Water Quality Control Board (RWQCB), San Francisco Bay Region. Laboratory reports are attached as Appendix C.

4.1 Soil Chemical Results

Aromatic hydrocarbons (BTEX) and fuel oxygenates were not detected in soil samples at concentrations at or above their respective reporting limits (RLs). DRO was detected at a concentration of 1.4 milligrams per kilogram (mg/kg) in the sample collected from 24.5 feet bgs in boring B-3.

4.2 Groundwater Chemical Results

DRO was detected in grab groundwater samples from soil borings B-1 and B-3 at concentrations of 52 and 130 µg/L, respectively. MtBE was detected in the sample from B-3 at a concentration of 0.60 µg/L. No other chemical constituents were detected at or above their respective RLs.

5.0 DISCUSSION OF RESULTS

In order to determine if concentrations of detected chemical constituents warrant additional action or assessment, SECOR compared soil and groundwater data to ESLs established by the RWQCB. ESLs are not promulgated 'cleanup standards'; rather, they are screening levels used to determine if constituents are present at concentrations which, if unmitigated, may pose a risk to human health or the environment. The presence of a chemical at concentrations exceeding an ESL does not mean that adverse impact to human or ecological health is occurring, only that the potential for adverse risk may exist and that additional evaluation is warranted.

5.1 Comparison of Soil Data to ESLs

SECOR compared Site soil data to residential soil ESLs (RWQCB, Interim Final, February 2005). These ESLs, listed with Site soil data in Table 1, are based on direct human contact with impacted soils. As such, these ESLs are the most conservative, and are often used as an initial screening level to determine the need for further evaluation incorporating Site-specific criteria. The reported DRO concentration of 1.4 mg/kg is below the residential soil ESL of 100 mg/kg.

5.2 Comparison of Groundwater Data to ESLs

SECOR compared Site groundwater data to two sets of groundwater ESLs: 1) those assuming groundwater is an existing or potential source of drinking water, and 2) those assuming that groundwater is not an existing or potential source of drinking water. These ESLs are listed with Site groundwater data on Table 2. Because the ESLs protective of groundwater as a drinking water resource assume human consumption of the groundwater, these ESLs are much lower (more conservative) than the ESLs which are not protective of groundwater as a drinking water resource. The non-drinking water ESLs are typically based on protection of aquatic habitat.

The DRO concentration reported in the sample from B-3 (130 µg/L) slightly exceeds the drinking water ESL of 100 µg/L, but not the non-drinking water ESL of 640 µg/L. The MtBE concentration of 0.60 µg/L reported in the sample from B-3 is below both of the ESLs listed in Table 2.

6.0 CONCLUSIONS

Based on results of this investigation, SECOR concludes the following:

- The very low concentration of fuel hydrocarbons and absence of fuel oxygenates in soil samples indicates no significant releases to soil and/or groundwater have occurred;
- The elevated concentrations of fuel oxygenates reported in the UST excavation grab water sample during UST removal do not appear to be representative of existing groundwater conditions; and
- Given that the DRO concentration in a single grab groundwater sample only slightly exceeded the most conservative screening level, and MtBE concentrations were all well below the screening levels, no further investigation or remediation is warranted.

7.0 LIMITATIONS

The conclusions and recommendations contained in this report/assessment are based upon professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location and are subject to the following inherent limitations:

1. The data and findings presented in this report are valid as of the dates when the investigations were performed. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.

2. The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Work. The Scope of Work was defined by the request of the client, the time and budgetary constraints imposed by the client, and availability of access to the site.

3. Because of the limitations stated above, the findings, observations, and conclusions expressed by SECOR in this report are not, and should not be, considered an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulation.

4. No warranty or guarantee, whether expressed or implied, is made with respect to the data or the reported findings, observations, and conclusions, which are based solely upon site conditions in existence at the time of investigation.

5. SECOR reports present professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of federal, state, or local governmental agencies. Any use of the report constitutes acceptance of the limits of SECOR's liability. SECOR's liability extends only to its client and not to any other parties who may obtain the report. Appropriate legal counsel should review issues raised by the report.

TABLES

Subsurface Investigation Report
Pacific Gas & Electric Company
7205 National Drive
Livermore, California
SECOR PN: 05OT.50212.00
July 18, 2005

Mr. Jerry Wick ham
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services.

July 12th, 2006.

RE: Eagle Gas
4301 Sanleandro St.
Oakland, CA 94601
Fuel Leak Case No. RO000096
USTCF Claim NO. 014551

Dear Sir

As the legally authorized representative of the above site,
I declare, under penalty of perjury, that the information and /or recommendations contained in the attached document or report is true and correct to the best of knowledge.

Sincerely,

Muhammad Jamil

MOHAMMAD JAMIL
40092 Davis St
Fremont, CA 94538
Phone: (510) 656-3487
E-Mail: raheel400@hotmail.com

CLEARWATER
GROUP
Environmental Services

July 7, 2006

Mr. Jerry Wickham, PG
Alameda County Environmental Health Services
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: Response to Technical Comments
June 27, 2006 Letter from Alameda County Environmental Health Services
Soil and Groundwater Investigation Report of June 1, 2006
Eagle Gas Station
4301 San Leandro Street
Oakland, California 94601

LOP St ID #2118
USTCF Claim No. 014551
Clearwater Group Project #ZP046D

Dear Mr. Wickham,

Clearwater Group (Clearwater) has reviewed your June 27, 2006 letter regarding Clearwater's June 1, 2006, "Soil and Groundwater Investigation Report" Eagle Gas, 4301 San Leandro Street, Oakland, California and has the following comments and questions.

Technical Comment 1: Grab Groundwater Sample Data Quality

Clearwater concurs with the ACEH regarding the suitability of grab groundwater samples and will incorporate grab groundwater sample analyses into the future Work Plan for Additional Soil and Groundwater Investigation (Work Plan).

229 Tewksbury Avenue ◆ Point Richmond, California 94801 ◆ Telephone: 510-307-9943 ◆ Fax: 510-232-2823

CLEARWATER
GROUP, INC.
Environmental Services

Technical Comment 2: Water Level Differences and Unrealistic Hydraulic **Gradients**

The existing water levels data, soil boring logs and well construction data were reviewed in an attempt to identify possible causes for the significant differences in water levels across the site. No cause of the overly steep gradients was found. Potential causes of the steep gradients include the following: 1) leakage from the onsite domestic water supply system, 2) perched water bearing zones, 3) onsite flow of shallow groundwater from an offsite, up-gradient direction, or 4) an error in surveying the well locations. The water level data was presented as recorded and the groundwater contours were drawn using the water level data. The Work Plan will include steps to determine the cause of the apparent steep gradients. Until such cause is found the data will be presented as recorded. If a cause is found, the previously presented groundwater data will be re-evaluated and corrected.

Technical Comment 3: Deep Monitoring Wells

Clearwater will propose in the Work Plan the installation of two onsite groundwater monitoring wells to intercept the "deep layer". Well MW-9 will be located near boring SB-7D. Well MW-10 will be located along the southwest property boundary and installed to intercept contamination migrating to the southwest. Pilot borings will be used for both borings in order to locate the screened intervals across more permeable lithologic layers. In general the screen intervals will not exceed 5 feet, unless thick permeable layers are encountered. The groundwater elevation data from the four onsite deep wells will allow a rough estimation of the groundwater flow direction and gradient of the "deep layer".

Technical Comment 4: Search for Additional USTs

The ground penetrating radar (GPR) search will focus on the area where Sanborn maps showed three possible USTs; however, the search will extend from the west corner to the north corner of the site along High Street.

Technical Comment 5: Chromatography/Dating of MTBE Don't concur

Existing and future chromatographs will be examined to determine if the MTBE and other hydrocarbons detected in separate wells appear to be from similar or dissimilar sources. Dating of petroleum hydrocarbons and MTBE will be used in the mass flux calculations to determine the date of release of specific compounds. These data will be evaluated to help determine if an offsite source is impacting the site.

OK to review chromatographs but Fund should not pay for dating of MTBE

CLEARWATER
GROUP, INC.
Environmental Services

Technical Comment 6: Vapor Intrusion Into Buildings

For the off-site indoor vapor intrusion sampling, does ACEH concur that separate indoor vapor samples should be collected from within the two buildings to the southwest and southeast of the site? A separate vapor sample will be collected from within the onsite building. The Work Plan will discuss the vapor sample collection protocol and analysis of the samples.

Technical Comment 7: Leaking Water Lines

OK for R

Selected groundwater samples will be analyzed for water treatment chemicals and coliform bacteria. Clearwater believes it possible that leaking domestic water or sewer lines are contributing water to the subsurface. The leaking water system may be responsible for the mounded groundwater observed near the center of the site and creating the anomalously steep groundwater gradients. If water treatment chemicals or coliform bacteria are detected, Clearwater will request that the client repair the onsite plumbing to stop the leakage. Wells MW-4, MW-7, MW-8, IS-1 and IS-5 will be sampled for water treatment chemicals and coliform bacteria.

Technical Comment 8: Off Site Investigation

not concur

Clearwater must perform due diligence for its client and needs to investigate the possibility that an offsite up-gradient source is impacting the site. The highest concentrations of MTBE in groundwater occur in wells EW-1 and MW-4 (700,00 and 740,000 ug/L, respectively) along the southeast edge of the site. Groundwater appears to be generally flowing toward the west to southwest and the highest groundwater elevations occur along the southeast edge of the site. Therefore, the possibility of an offsite source exists.

Clearwater proposes to increase the number of offsite borings from 4 to 8 borings. The two up-gradient borings will be drilled in the locations proposed in the Soil and Groundwater Investigation Report. Three borings will be drilled southwest of the site, in the sidewalk along High Street, and three soil borings will be drilled to the southeast, in the sidewalk along San Leandro Street. The spacing of the borings will be adjusted in the field, based upon the contaminant concentrations detected during drilling. The Work Plan will show the proposed starting locations and proposed step-out locations. The borings will start near the site and step-out increasingly further distances until non-detect conditions are encountered or it becomes apparent that an offsite source may be involved.

In order to be able to drill 3 or more step out borings per sidewalk, Clearwater will obtain soil boring permits from the Alameda County Public Works Agency (ACPWA) for approximately 10 borings per sidewalk, spaced at approximate 50 foot intervals. After the soil borings have been performed, the ACPWA will be notified of which boring locations were not drilled.

Clearwater seeks clarification regarding the offsite investigation. Is the ACEH requesting grab groundwater samples be collected and analyzed during the drilling of groundwater well borings, in order to select the lithologic intervals to be screened across?

One method to do this is to have a mobile analytical laboratory onsite during the well installations. However this approach would necessarily increase the amount of time needed to install each well. Ideally each well would be logged with a combination of a pilot boring using a continuous soil conductivity, or CPT, log and conventional soil logging by a field geologist, combined with analysis of grab groundwater samples from field-identified permeable zones.

Another approach is to use two mobilizations. During the first mobilization, in the pilot soil boring a continuous soil conductivity, or CPT, log is recorded and a lithologic log is prepared by a field geologist. A second borehole is driven to collect the grab groundwater samples, based on the lithology encountered in the borehole. The grab groundwater samples are sent out to be analyzed by a conventional fixed location analytical laboratory. After reviewing the site lithology and grab groundwater sample analytical results from the pilot boring a second mobilization to the site is used to install the groundwater monitoring wells.

Technical Comment 9: Screened Intervals for Well Cross Sections

Future cross section and well construction diagrams will show the screened sections of the wells.

Technical Comment 10: Quarterly Groundwater Monitoring

The quarterly groundwater monitoring program will incorporate all newly installed wells in the next quarterly groundwater monitoring event following their installation. Well installation should occur such that groundwater monitoring data is reflected in the Fourth Quarter 2006 groundwater monitoring event. The analytical results for EDB, EDC, methanol, and ethanol will be assessed to determine if these analyses should be continued.

CLEARWATER
GROUP, INC.
Environmental Services

Technical Report Request

Due to the revised understanding of the site's lithology and groundwater flow regime presented in the Site Conceptual Model section of the Soil and Groundwater Investigation Report, the Interim Remediation Start Up has not occurred and an Interim Remediation Start Up Report was not prepared.

Currently six ISOC oxygen enhancement wells have been installed onsite. The trenches, piping, controls, water treatment compound, and discharge system have not been installed. A discharge permit from EBMUD is in place. Completion of the Interim Remediation System is currently on hold.

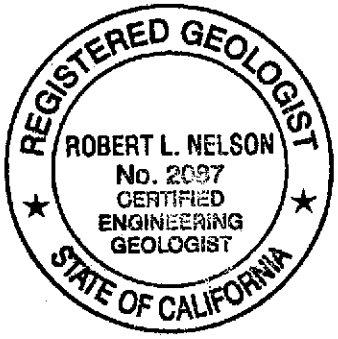
Clearwater believes that installing the previously planned interim remediation system is not warranted at this time, due to the revised understanding of the site's lithology and groundwater. Clearwater requests direction on whether to proceed as planned or to revise the Interim Remediation System Design. Clearwater also requests an extension until December 2006 for the start of the Interim Remediation, in order to incorporate the new site information presented in the (completed) Soil and Groundwater Investigation and the new data obtained from the future Additional Soil and Groundwater Investigation.

If there are any questions regarding this Response to Technical Comments, please do not hesitate to contact me at 510-307-9943 ext 237.

Sincerely,
Clearwater Group

Robert L. Nelson

Robert L. Nelson, PG, CEG
Senior Geologist



Eagle Gas Station
4301 San Leandro Street
Oakland, CA

July 7, 2006
ZP046D

Table 1
Soil Sample Analytical Results
Pacific Gas & Electric Company
Livermore Training Center
7205 National Drive, Livermore, CA

Sample ID	Depth (ft)	Sample Date	EPA Method 8015M		EPA Method 8260B								
			TPH/g	DRO	Benzene	Toluene	Ethylbenzene	Xylenes	TBA	MtBE	DIPE	ETBE	TAME
B1-28'	28	6/3/2005	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005
B2-23'	23	6/3/2005	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005
B3-24.5'	24.5	6/3/2005	<1.0	1.4	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005
ESL		**Residential Soil (>3m)**	**100**	**100**	**0.044**	**2.9**	**3.3**	**2.3**	**0.073**	**0.023**	NE	NE	NE
			(gasolines)	(middle distillates)									

Notes:
All analytical results reported in milligrams per kilogram (mg/kg)
< Indicates analyte was not detected at or above specified reporting limit
TPH/g = Total petroleum hydrocarbons as gasoline
DRO = Diesel range organics (carbon chain length C10 to C28)
TBA = Tert-butyl alcohol
MtBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
ESL = Environmental screening levels for subsurface soils greater than 3 meters deep - residential land use permitted, where potentially impacted groundwater is a current or potential source of drinking water (San Francisco Bay Area Regional Water Quality Control Board - Interim Final, February 2005 - Summary Table C-1).
NE = Not established

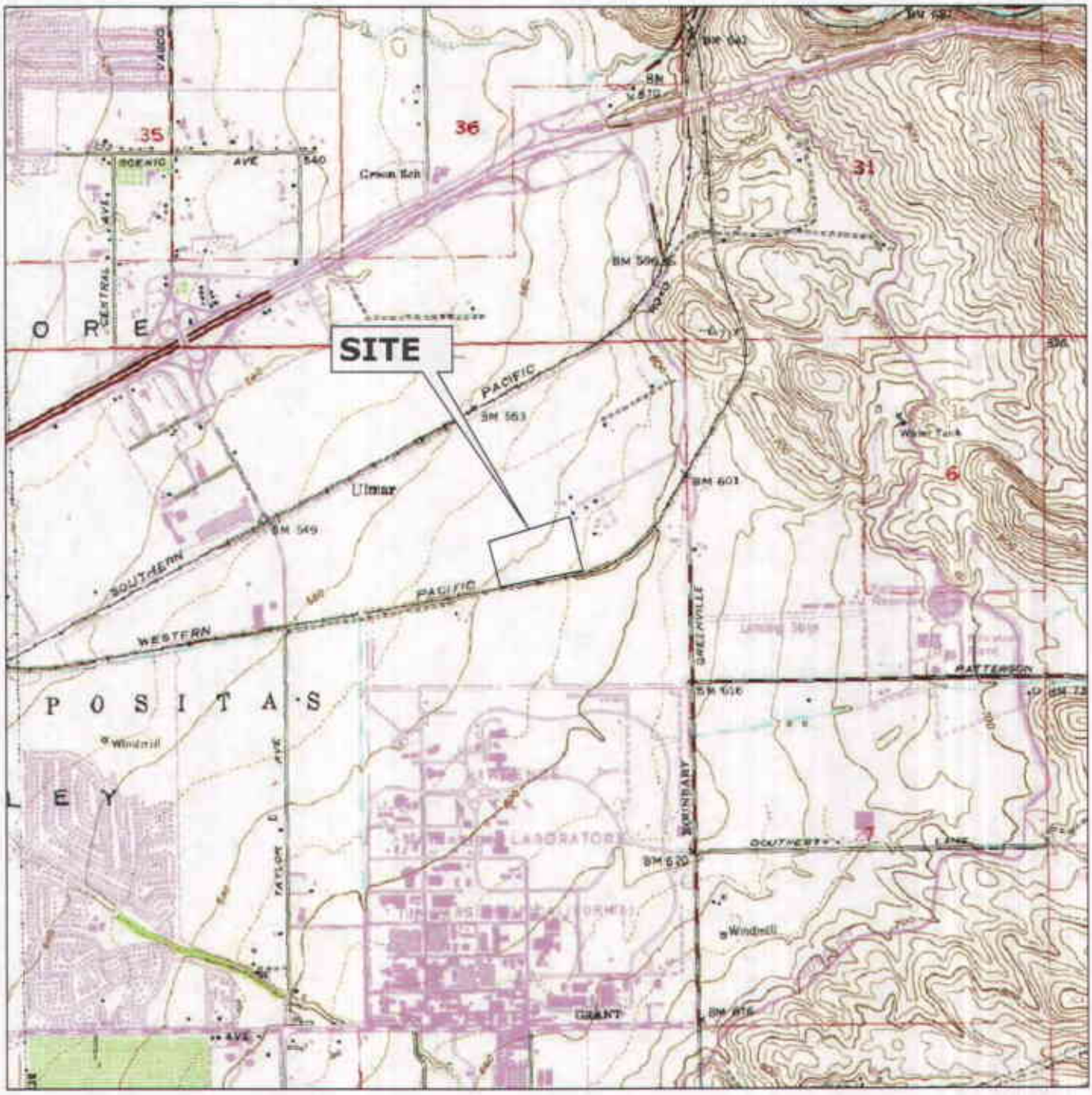
Table 2
Grab Groundwater Sample Analytical Results
Pacific Gas & Electric Company
Livermore Training Center
7205 National Drive, Livermore, CA

Sample ID	Sample Date	EPA Method 8015M		EPA Method 8260B								
		TPH/g	DRO	Benzene	Toluene	Ethylbenzene	Xylenes	TBA	MtBE	DIPE	ETBE	TAME
B1-W	6/3/2005	<50	**52**	<0.5	<0.5	<0.5	<1.0	<5.0	<0.5	<1.0	<0.5	<0.5
B3-W	6/3/2005	<50	**130**	<0.5	<0.5	<0.5	<1.0	<5.0	**0.60**	<1.0	<0.5	<0.5
ESL	**Groundwater - DW[1]**	**100**	**100**	**1.0**	**40**	**30**	**20**	**12**	**5.0**	NE	NE	NE
	Groundwater - NDW[2]	**500**	**640**	**46**	**130**	**290**	**100**	**18,000**	**1,800**	NE	NE	NE
		(gasolines)	(middle distillates)									

Notes:
All analytical results reported in micrograms per liter (µg/L)
< Indicates analyte was not detected at or above specified reporting limit
TPH/g = Total petroleum hydrocarbons as gasoline
DRO = Diesel range organics (carbon chain length C10 to C28)
TBA = Tert-butyl alcohol
MtBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
ESL = Environmental screening levels for groundwater (San Francisco Bay Area Regional Water Quality Control Board - Interim Final, February 2005).
DW[1] - Screening level for groundwater which is an existing or potential source of drinking water (ESL Summary Table F-1a)
NDW[2] - Screening level for groundwater which is not an existing or potential source of drinking water
NE = Not established

FIGURES

Subsurface Investigation Report
Pacific Gas & Electric Company
7205 National Drive
Livermore, California
SECOR PN: 05OT.50212.00
July 18, 2005



N

CALIFORNIA

1 1/2 0 1

SCALE (MILES)

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE; ALTAMONT, CALIFORNIA; 1978

SECOR
57 Lafayette Circle, 2nd Floor
Lafayette, CA
PHONE: (925) 299-9300 FAX: (925) 299-9302

FOR:
P G & E - LIVERMORE
TRAINING CENTER
7205 NATIONAL DRIVE
LIVERMORE, CALIFORNIA

SITE LOCATION MAP

FIGURE 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
05OT.50212.00	S. SIMMONS			6/20/05

FILEPATH:R:\Cad_Files\Projects\Office\005\05OT5021200\05OT5021200-1SLM.dwg|ssimmons|Jun 30, 2005 at 10:09|Layout: Model

LEGEND

SITE BOUNDARY

RAILROAD TRACKS

N

0 150 300

APPROXIMATE SCALE (FEET)

SECOR
57 Lafayette Circle, 2nd Floor
Lafayette, CA
PHONE:(925) 299-9300 FAX:(925) 299-9302

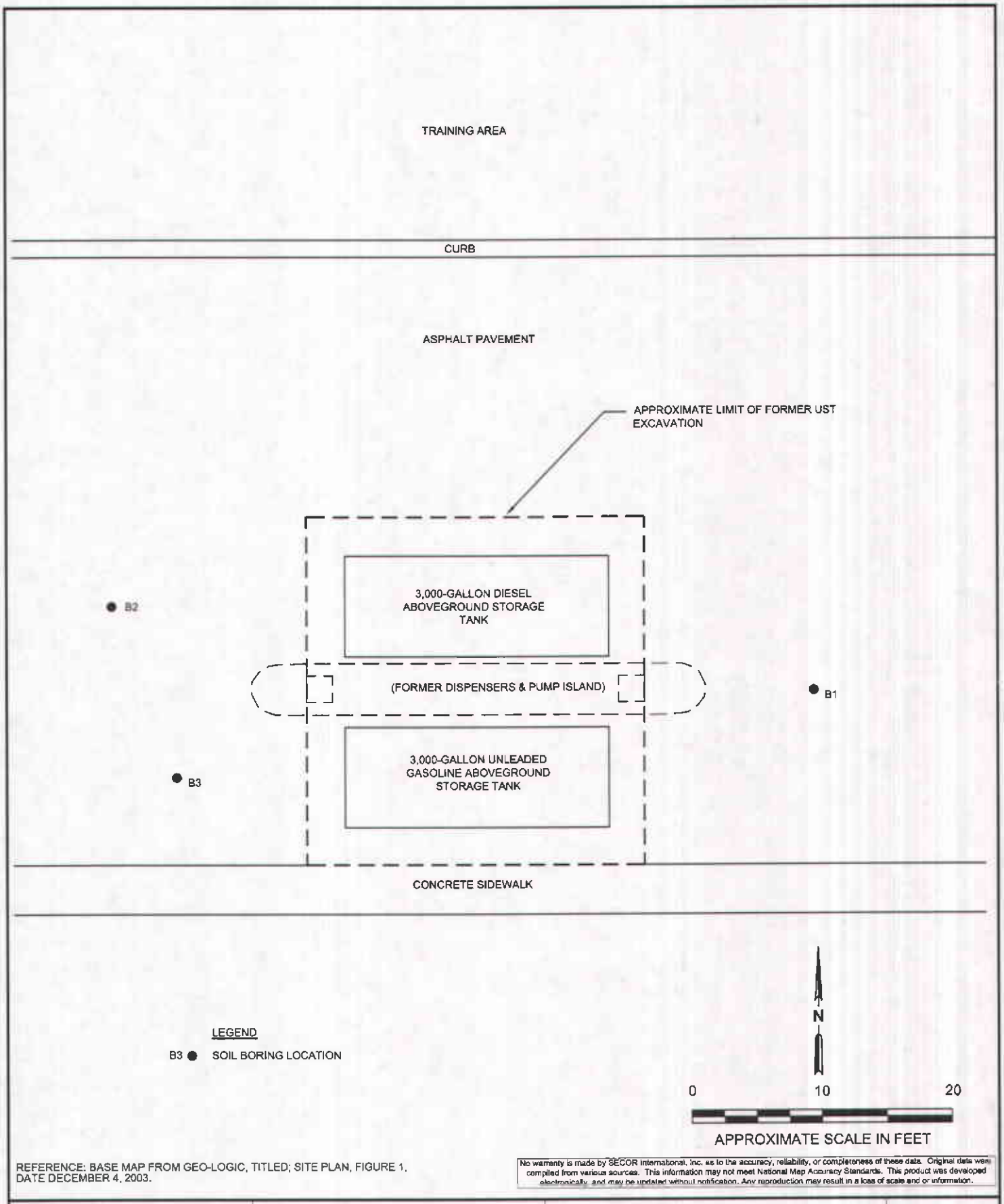
FOR:
P G & E - LIVERMORE
TRAINING CENTER
7205 NATIONAL DRIVE
LIVERMORE, CALIFORNIA

SITE LAYOUT

FIGURE
2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
05OT.50212.00	S. SIMMONS			6/20/05

FILEPATH:R:\Cad_Files\Projects\Office\005\05OT5021200\05OT5021200-2SP.dwg(ssimmons|Jun 30, 2005 at 10:10|Layout: B SIZE LANDSCAPE



REFERENCE: BASE MAP FROM GEO-LOGIC, TITLED; SITE PLAN, FIGURE 1, DATE DECEMBER 4, 2003.

SECOR
57 Lafayette Circle, 2nd Floor
Lafayette, CA
PHONE: (925) 299-9300 FAX: (925) 299-9302

FOR:			FIGURE
P G & E - LIVERMORE TRAINING CENTER 7205 NATIONAL DRIVE LIVERMORE, CALIFORNIA		SOIL BORING LOCATIONS	3
JOB NUMBER: 05OT.50212.00	DRAWN BY: S. SIMMONS	CHECKED BY:	APPROVED BY:	DATE: 6/20/05

APPENDIX A
Soil Boring Permit

Subsurface Investigation Report
Pacific Gas & Electric Company
7205 National Drive
Livermore, California
SECOR PN: 05OT.50212.00
July 18, 2005

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551 PHONE (925) 454-5000

May 27, 2005

Mr. Mario Sternad
SECOR International, Inc.
57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549

Dear Mr. Sternad:

Enclosed is drilling permit 25088 for a contamination investigation at 7205 National Drive in Livermore for Pacific Gas and Electric. Also enclosed are current drilling permit applications for your files.

Please note that permit conditions A-2 and G requires that a report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, permit number and any analysis of the soil and water samples. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 5056 or Matt Katen at extension 5071.

Sincerely,

Wyman Hong

Wyman Hong
Water Resources Specialist

Enc.

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT PG&E Livermore Training Center
7205 National Drive
Livermore, CA 94550

California Coordinates Source ______ Accuracy± ______ ft.
CCN ______ CCE ______ ft.
APN See attached site map

CLIENT
Name PG&E / Drew Sauyres
Address 8325 S. Higuera St Phone 805-546-3854
City San Luis Obispo, CA Zip 93401

APPLICANT
Name SECOR International Incorporated
By: Mario Sternad Fax 925-299-9302
Address 57 Lafayette Cir Phone 925-299-9300 ext. 222
City Lafayette, CA Zip 94549

TYPE OF PROJECT:
Well Construction ·· Geotechnical Investigation ··
Well Destruction ·· (Contamination Investigation) ··
Cathodic Protection ·· Other ______ ··

PROPOSED WELL USE:
Domestic ·· Irrigation ··
Municipal ·· Remediation ··
Industrial ·· Groundwater Monitoring ··
Dewatering ·· Other ______ ··

DRILLING METHOD:
Mud Rotary ·· Air Rotary ·· Hollow Stem Auger ··
Cable Tool ·· (Direct Push) ·· Other ______ ··

DRILLING COMPANY Gregg Drilling
DRILLER'S LICENSE NO. 485165

WELL SPECIFICATIONS:
Drill Hole Diameter ______ in. Maximum
Casing Diameter ______ in. Depth ______ ft.
Surface Seal Depth ______ ft. Number ______

SOIL BORINGS:
Number of Borings 3 Maximum
Hole Diameter 2.5 in. Depth 40 ft.

ESTIMATED STARTING DATE 6/3/05
ESTIMATED COMPLETION DATE 6/3/05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] Date 5/16/05

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 25088
WELL NUMBER ______
APN 99B-5753-022-00 & 99B-5753-023-00

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS:, Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

Approved [signature] Wyman Hong Date 5/27/05

APPENDIX B
Soil Boring Logs

Subsurface Investigation Report
Pacific Gas & Electric Company
7205 National Drive
Livermore, California
SECOR PN: 05OT.50212.00
July 18, 2005

SECOR
International Incorporated

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Well Number:
B. Robitaille	**6/3/05**	**Gregg Drilling**	**Livermore Training Center 7205 National Dr., Livemore, CA**	**Continuous Sampler Geoprobe**	**B-1**

See "Legend to Logs" for sampling method, classifications and laboratory testing methods	Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
	2	**NA**	▽ **28 First encountered** ▼ **21 Stabilized**	**28.0**	**NA**	**NA**

Boring Abandonment	Depth, (ft.)	Sample Interval	Description	PID Readings (PPM)	Sample ID
			Asphalt / Baserock		
			CLAY (CL), very dark gray (10YR-3/1) to dark brown (7.5YR-3/2), moderately hard, moderately plastic, trace fine- to medium-grained sand, dry	1.0	
	5		CLAYEY SAND (SC), yellowish brown (10YR-5/4), fine- to medium-grained sand, dense, dry	1.0	
			Grades with increasing medium-grained sand, slightly moist		
	10		Grades with abundant caliche in vertical fractures	0.4	B1-10'
				1.1	
			Grades with trace fine- to coarse-grained gravel	1.1	
Cement Grout	15		SAND (SW), yellowish brown (10YR-5/5), fine-grained sand with trace coarse-grained sand, dense, dry		
			SAND (SP), dark yellowish brown (10YR-4/6), fine-grained to coarse-grained sand, trace fine- to medium-grained gravel, loose	1.4	
	20		CLAYEY SAND (SC), yellowish brown (10YR-5/5), fine-grained sand, abundant caliche, very dense, dry	0.8	B1-20'
	25		SANDY SILT (SM), yellowish brown (10YR-5/5), fine-grained sand, moderately soft, trace clay, dry to moist	1.0	
			CLAYEY SAND (SC), yellowish brown (10YR-5/4), fine-grained sand, moderately dense, moist to wet, grades decreasing clay at 28 feet	1.1	B1-28'
			TOTAL DEPTH OF BOREHOLE = 28 FEET BELOW GROUND SURFACE		

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

LIVERMORE TRAINING CENTER - LOGS.GPJ LOG OF BH-REDLANDS-REV1

Project No. **05OT.50212.00**
Date **06/03/05**

Log of Boring: B-1

Approved by _____

SECOR
International Incorporated

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Well Number:
B. Robitaille	**6/3/05**	**Gregg Drilling**	**Livermore Training Center 7205 National Dr., Livemore, CA**	**Continuous Sampler Geoprobe**	**B-2**

See "Legend to Logs" for sampling method, classifications and laboratory testing methods	Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
	2	**NA**	**First encountered Stabilized**	**24.0**	**NA**	**NA**

Boring	Depth, (ft.)	Sample Interval	Description	PID Readings (PPM)	Sample ID
			Asphalt / Baserock		
			CLAY (CL), very dark gray (10YR-3/1) to dark brown (7.5YR-3/2), moderately hard, moderately plastic, trace fine- to medium-grained sand, dry	0.4	
	5		CLAYEY SAND (SC), yellowish brown (10YR-5/4), very fine- to medium-grained sand, dense, dry	0.8	
	10				B2-10'
Cement grout			Grades with coarse sand, trace gravel	0.8	
	15		SAND (SW), yellowish brown (10YR-5/5), fine-grained sand with trace coarse-grained sand, dense, dry		
			SAND (SP), dark yellowish brown (10YR-4/6), fine-grained to coarse-grained sand, trace fine- to medium-grained gravel, loose	1.4	
			CLAYEY SAND (SC), yellowish brown (10YR-5/5), fine-grained sand, abundant caliche, very dense, dry to slightly moist		
	20				B2-20'
			SANDY SILT (SM), yellowish brown (10YR-5/5), fine-grained sand, moderately soft, trace clay, dry	1.4	B2-23'
			No recovery 23 - 24 feet; refusal at 24 feet		
	25		TOTAL DEPTH OF BOREHOLE = 24 FEET BELOW GROUND SURFACE		

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

LIVERMORE TRAINING CENTER - LOGS.GPJ LOG OF BH-REDLANDS-REV1

Project No. **05OT.50212.00**
Date **06/03/05**

Log of Boring: B-2

Approved by _____

SECOR
International Incorporated

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Well Number:
B. Robitaille	**6/3/05**	**Gregg Drilling**	**Livermore Training Center 7205 National Dr., Livemore, CA**	**Continuous Sampler Geoprobe**	**B-3**

See "Legend to Logs" for sampling method, classifications and laboratory testing methods	Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
	2	**NA**	▽ **28 First encountered** ▼ **24 Stabilized**	**32.0**	**NA**	**NA**

Boring	Depth, (ft.)	Sample Interval	Description	PID Readings (PPM)	Sample ID
			Asphalt / Baserock		
			SILTY CLAY (CL), very dark gray (10YR-3/1) to dark brown (7.5YR-3/2), trace fine- to coarse-grained sand, moderately hard, moderately plastic, dry	2.0	
	5		CLAYEY SAND (SC), yellowish brown (10YR-5/4), fine- to medium-grained sand, dense, dry	1.8	
			Grades with increasing medium-grained sand		
	10		Grades with abundant caliche in vertical fractures	2.4	B3-10'
			Grades with coarse-graned sand	1.0	
Cement grout	15		SAND (SW), yellowish brown (10YR-5/5), fine- to coarse-grained sand, dense, dry	0.8	
			SAND (SP), dark yellowish brown (10YR-4/6), fine- to coarse-grained sand, minor fine-grained gravel, loose, dry	1.0	
	20		CLAYEY SAND (SC), yellowish brown (10YR-5/5), fine- to medium-grained sand, abundant caliche, very dense, dry	0.4	B3-20'
	25		SANDY SILT (SM), yellowish brown (10YR-5/5), fine-grained sand, moderately soft, dry to moist	1.0 3.4	B3-24.5'
			No recovery 28 to 32 feet		
	30		TOTAL DEPTH OF BOREHOLE = 32 FEET BELOW GROUND SURFACE		

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

LIVERMORE TRAINING CENTER - LOGS.GPJ LOG OF BH-REDLANDS-REVI

Project No. **05OT.50212.00**
Date **06/03/05**

Log of Boring: B-3

Approved by _____

APPENDIX C
Laboratory Analytical Reports and Chain-of-Custody Record

Subsurface Investigation Report
Pacific Gas & Electric Company
7205 National Drive
Livermore, California
SECOR PN: 05OT.50212.00
July 18, 2005

SEVERN TRENT STL

Submission#: 2005-06-0141

SECOR- Lafayette

June 16, 2005

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Attn.: Mario Sternad

Project#: 050T.50212
Project: PG&E-Livermore Training Center
Site: 7205 National Dr. Livermore, CA

Dear Mr. Sternad,

Attached is our report for your samples received on 06/06/2005 15:20
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 07/21/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

SEVERN TRENT STL

Submission: 2005-06-0141

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B1-28`	06/03/2005 14:30	Soil	3
B1-W	06/03/2005 14:50	Water	4
B2-23`	06/03/2005 13:00	Soil	7
B3-24.5`	06/03/2005 11:15	Soil	10
B3-W	06/03/2005 15:30	Water	11

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s): 3550/8015M
Sample ID: **B1-28`**
Sampled: 06/03/2005 14:30
Matrix: Soil

Test(s): 8015M
Lab ID: 2005-06-0141 - 3
Extracted: 6/8/2005 13:07
QC Batch#: 2005/06/08-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	06/11/2005 04:00	
Surrogate(s)						
o-Terphenyl	78.3	60-130	%	1.00	06/11/2005 04:00	

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s): 3510/8015M
Sample ID: **B1-W**
Sampled: 06/03/2005 14:50
Matrix: Water

Test(s): 8015M
Lab ID: 2005-06-0141 - 4
Extracted: 6/7/2005 13:02
QC Batch#: 2005/06/07-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	52	50	ug/L	1.00	06/08/2005 14:57	
Surrogate(s)						
o-Terphenyl	86.0	60-130	%	1.00	06/08/2005 14:57	

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B2-23`**	Lab ID:	2005-06-0141 - 7
Sampled:	06/03/2005 13:00	Extracted:	6/8/2005 13:07
Matrix:	Soil	QC Batch#:	2005/06/08-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	06/11/2005 04:27	
Surrogate(s)						
o-Terphenyl	76.4	60-130	%	1.00	06/11/2005 04:27	

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B3-24.5'**	Lab ID:	2005-06-0141 - 10
Sampled:	06/03/2005 11:15	Extracted:	6/8/2005 13:07
Matrix:	Soil	QC Batch#:	2005/06/08-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	1.4	1.0	mg/Kg	1.00	06/11/2005 08:30	
Surrogate(s)						
o-Terphenyl	82.2	60-130	%	1.00	06/11/2005 08:30	

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**B3-W**	Lab ID:	2005-06-0141 - 11
Sampled:	06/03/2005 15:30	Extracted:	6/7/2005 13:02
Matrix:	Water	QC Batch#:	2005/06/07-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	130	50	ug/L	1.00	06/08/2005 15:24	
Surrogate(s)						
o-Terphenyl	83.4	60-130	%	1.00	06/08/2005 15:24	

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 3510/8015M
Method Blank
MB: 2005/06/07-06.10-001

Water

Test(s): 8015M
QC Batch # 2005/06/07-06.10
Date Extracted: 06/07/2005 13:02

Compound	Conc.	RL	Unit	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	06/08/2005 13:36	
Surrogates(s)					
o-Terphenyl	81.0	60-130	%	06/08/2005 13:36	

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 3550/8015M
Method Blank
MB: 2005/06/08-05.10-001

Soil

Test(s): 8015M
QC Batch # 2005/06/08-05.10
Date Extracted: 06/08/2005 13:07

Compound	Conc.	RL	Unit	Analyzed	Flag
DRO (C10-C28)	ND	1	mg/Kg	06/09/2005 00:23	
Surrogates(s)					
o-Terphenyl	79.9	60-130	%	06/09/2005 00:23	

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2005/06/07-06.10**

LCS 2005/06/07-06.10-002 Extracted: 06/07/2005 Analyzed: 06/08/2005 14:03
LCSD 2005/06/07-06.10-003 Extracted: 06/07/2005 Analyzed: 06/08/2005 14:30

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
DRO (C10-C28)	703	726	1000	70.3	72.6	3.2	60-130	25		
Surrogates(s)										
o-Terphenyl	18.7	18.2	20.0	93.4	90.9		60-130	0		

Diesel

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2005/06/08-05.10**

LCS 2005/06/08-05.10-002 Extracted: 06/08/2005 Analyzed: 06/09/2005 01:16
LCSD 2005/06/08-05.10-003 Extracted: 06/08/2005 Analyzed: 06/09/2005 00:49

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
DRO (C10-C28)	30.1	29.9	41.6	72.4	72.0	0.6	60-130	25		
Surrogates(s)										
o-Terphenyl	16.8	17.0	20.0	83.8	85.1		60-130	0		

SEVERN TRENT STL

Submission: 2005-06-0141

Fuel Oxygenates by 8260B

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B1-28`	06/03/2005 14:30	Soil	3
B2-23`	06/03/2005 13:00	Soil	7
B3-24.5`	06/03/2005 11:15	Soil	10

Fuel Oxygenates by 8260B

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B1-28'**	Lab ID:	2005-06-0141 - 3
Sampled:	06/03/2005 14:30	Extracted:	6/14/2005 01:20
Matrix:	Soil	QC Batch#:	2005/06/13-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	06/14/2005 01:20	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	06/14/2005 01:20	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	06/14/2005 01:20	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	06/14/2005 01:20	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	06/14/2005 01:20	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	06/14/2005 01:20	
Benzene	ND	5.0	ug/Kg	1.00	06/14/2005 01:20	
Toluene	ND	5.0	ug/Kg	1.00	06/14/2005 01:20	
Ethyl benzene	ND	5.0	ug/Kg	1.00	06/14/2005 01:20	
Total xylenes	ND	5.0	ug/Kg	1.00	06/14/2005 01:20	
Surrogate(s)						
1,2-Dichloroethane-d4	105.8	72-124	%	1.00	06/14/2005 01:20	
Toluene-d8	97.9	75-116	%	1.00	06/14/2005 01:20	

SEVERN TRENT STL

Fuel Oxygenates by 8260B

SECOR- Lafayette
Attn.: Mario Sternad

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s): 5030B
Sample ID: **B2-23'**
Sampled: 06/03/2005 13:00
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-06-0141 - 7
Extracted: 6/14/2005 01:46
QC Batch#: 2005/06/13-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	06/14/2005 01:46	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	06/14/2005 01:46	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	06/14/2005 01:46	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	06/14/2005 01:46	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	06/14/2005 01:46	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	06/14/2005 01:46	
Benzene	ND	5.0	ug/Kg	1.00	06/14/2005 01:46	
Toluene	ND	5.0	ug/Kg	1.00	06/14/2005 01:46	
Ethyl benzene	ND	5.0	ug/Kg	1.00	06/14/2005 01:46	
Total xylenes	ND	5.0	ug/Kg	1.00	06/14/2005 01:46	
Surrogate(s)						
1,2-Dichloroethane-d4	112.0	72-124	%	1.00	06/14/2005 01:46	
Toluene-d8	103.4	75-116	%	1.00	06/14/2005 01:46	

Fuel Oxygenates by 8260B

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Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B3-24.5**	Lab ID:	2005-06-0141 - 10
Sampled:	06/03/2005 11:15	Extracted:	6/14/2005 02:12
Matrix:	Soil	QC Batch#:	2005/06/13-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	06/14/2005 02:12	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	06/14/2005 02:12	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	06/14/2005 02:12	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	06/14/2005 02:12	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	06/14/2005 02:12	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	06/14/2005 02:12	
Benzene	ND	5.0	ug/Kg	1.00	06/14/2005 02:12	
Toluene	ND	5.0	ug/Kg	1.00	06/14/2005 02:12	
Ethyl benzene	ND	5.0	ug/Kg	1.00	06/14/2005 02:12	
Total xylenes	ND	5.0	ug/Kg	1.00	06/14/2005 02:12	
Surrogate(s)						
1,2-Dichloroethane-d4	116.8	72-124	%	1.00	06/14/2005 02:12	
Toluene-d8	101.3	75-116	%	1.00	06/14/2005 02:12	

Fuel Oxygenates by 8260B

SECOR- Lafayette
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Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/06/13-02.62-004

Soil

Test(s): 8260B
QC Batch # 2005/06/13-02.62
Date Extracted: 06/13/2005 17:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	06/13/2005 17:04	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	06/13/2005 17:04	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	06/13/2005 17:04	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	06/13/2005 17:04	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	06/13/2005 17:04	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	06/13/2005 17:04	
Benzene	ND	5.0	ug/Kg	06/13/2005 17:04	
Toluene	ND	5.0	ug/Kg	06/13/2005 17:04	
Ethyl benzene	ND	5.0	ug/Kg	06/13/2005 17:04	
Total xylenes	ND	5.0	ug/Kg	06/13/2005 17:04	
Surrogates(s)					
1,2-Dichloroethane-d4	108.8	72-124	%	06/13/2005 17:04	
Toluene-d8	100.8	75-116	%	06/13/2005 17:04	

Fuel Oxygenates by 8260B

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Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2005/06/13-02.62**

LCS 2005/06/13-02.62-038 Extracted: 06/13/2005 Analyzed: 06/13/2005 16:38

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	47.7		48.9	97.5			65-165	20		
Benzene	48.0		48.9	98.2			69-129	20		
Toluene	52.6		48.9	107.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	512		500	102.4			72-124			
Toluene-d8	511		500	102.2			75-116			

Fuel Oxygenates by 8260B

SECOR- Lafayette
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Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2005/06/13-02.62**

MS/MSD

Lab ID: 2005-06-0265 - 008

MS: 2005/06/13-02.62-048 Extracted: 06/13/2005 Analyzed: 06/13/2005 18:48
Dilution: 1.00

MSD: 2005/06/13-02.62-014 Extracted: 06/13/2005 Analyzed: 06/13/2005 19:14
Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	49.4	49.1	ND	49.5	99.8	100.4	0.6	65-165	20		
Benzene	48.4	48.6	ND	49.5	97.8	99.4	1.6	69-129	20		
Toluene	54.6	51.6	ND	49.5	110.3	105.5	4.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	551	536		500	110.2	107.2		72-124			
Toluene-d8	516	520		500	103.2	104.0		75-116			

SEVERN TRENT STL

Submission: 2005-06-0141

Fuel Oxygenates by 8260B

SECOR- Lafayette
Attn.: Mario Sternad

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Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B1-W	06/03/2005 14:50	Water	4
B3-W	06/03/2005 15:30	Water	11

Fuel Oxygenates by 8260B

SECOR- Lafayette
Attn.: Mario Sternad

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Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s): 5030B
Sample ID: **B1-W**
Sampled: 06/03/2005 14:50
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-06-0141 - 4
Extracted: 6/11/2005 15:31
QC Batch#: 2005/06/11-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/11/2005 15:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/11/2005 15:31	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/11/2005 15:31	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/11/2005 15:31	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/11/2005 15:31	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/11/2005 15:31	
Benzene	ND	0.5	ug/L	1.00	06/11/2005 15:31	
Toluene	ND	0.5	ug/L	1.00	06/11/2005 15:31	
Ethylbenzene	ND	0.5	ug/L	1.00	06/11/2005 15:31	
Total xylenes	ND	1.0	ug/L	1.00	06/11/2005 15:31	
Surrogate(s)						
1,2-Dichloroethane-d4	104.6	73-130	%	1.00	06/11/2005 15:31	
Toluene-d8	92.1	81-114	%	1.00	06/11/2005 15:31	

Fuel Oxygenates by 8260B

SECOR- Lafayette
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Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Prep(s): 5030B
Sample ID: **B3-W**
Sampled: 06/03/2005 15:30
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-06-0141 - 11
Extracted: 6/11/2005 15:57
QC Batch#: 2005/06/11-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/11/2005 15:57	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/11/2005 15:57	
Methyl tert-butyl ether (MTBE)	0.60	0.50	ug/L	1.00	06/11/2005 15:57	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/11/2005 15:57	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/11/2005 15:57	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/11/2005 15:57	
Benzene	ND	0.5	ug/L	1.00	06/11/2005 15:57	
Toluene	ND	0.5	ug/L	1.00	06/11/2005 15:57	
Ethylbenzene	ND	0.5	ug/L	1.00	06/11/2005 15:57	
Total xylenes	ND	1.0	ug/L	1.00	06/11/2005 15:57	
Surrogate(s)						
1,2-Dichloroethane-d4	104.5	73-130	%	1.00	06/11/2005 15:57	
Toluene-d8	86.9	81-114	%	1.00	06/11/2005 15:57	

Fuel Oxygenates by 8260B

SECOR- Lafayette
Attn.: Mario Sternad

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Lafayette, CA 94549-4321
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Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 5030B
Test(s): 8260B

Method Blank **Water** **QC Batch # 2005/06/11-01.62**

MB: 2005/06/11-01.62-017
Date Extracted: 06/11/2005 09:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/11/2005 09:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/11/2005 09:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/11/2005 09:17	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/11/2005 09:17	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/11/2005 09:17	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/11/2005 09:17	
Benzene	ND	0.5	ug/L	06/11/2005 09:17	
Toluene	ND	0.5	ug/L	06/11/2005 09:17	
Ethylbenzene	ND	0.5	ug/L	06/11/2005 09:17	
Total xylenes	ND	1.0	ug/L	06/11/2005 09:17	
Surrogates(s)					
1,2-Dichloroethane-d4	99.6	73-130	%	06/11/2005 09:17	
Toluene-d8	87.2	81-114	%	06/11/2005 09:17	

Fuel Oxygenates by 8260B

SECOR- Lafayette
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Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/06/11-01.62**

LCS 2005/06/11-01.62-051 Extracted: 06/11/2005 Analyzed: 06/11/2005 08:51

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	29.9		25.0	119.6			65-165	20		
Benzene	27.6		25.0	110.4			69-129	20		
Toluene	28.7		25.0	114.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	462		500	92.4			73-130			
Toluene-d8	444		500	88.8			81-114			

Fuel Oxygenates by 8260B

SECOR- Lafayette
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Project: 050T.50212
PG&E-Livermore Training Center

Received: 06/06/2005 15:20

Site: 7205 National Dr. Livermore, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/06/11-01.62**

MS/MSD

Lab ID: 2005-06-0114 - 001

MS: 2005/06/11-01.62-042 Extracted: 06/11/2005 Analyzed: 06/11/2005 10:42
Dilution: 1.00

MSD: 2005/06/11-01.62-008 Extracted: 06/11/2005 Analyzed: 06/11/2005 11:08
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	29.0	27.2	1.45	25.0	110.2	103.0	6.8	65-165	20		
Benzene	23.8	23.7	ND	25.0	95.2	94.8	0.4	69-129	20		
Toluene	23.6	23.9	ND	25.0	94.4	95.6	1.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	530	496		500	106.1	99.2		73-130			
Toluene-d8	450	446		500	90.0	89.3		81-114			

2005-06-0144

Chain-of-Custody Number: 113620

SECOR Chain-of-Custody Record

1/2

☐ Additional documents are attached, and are a part of this Record.

Field Office: San Francisco (925) 299-9300
Address: 57 Lafayette Cir. 2nd Floor
Lafayette, CA 94549

Job Name: PG&E - Livermore Training Center
Location: 7205 National Dr.
Livermore, CA

Project # 050T.50212 Task #
Project Manager Mario Sternad
Laboratory STL
Turnaround Time Std.

Sampler's Name Bob Robitaille
Sampler's Signature [signature]

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/~~WTPH-G~~ 8015 (modified)/8021B	TPHd/~~WTPH-D~~ 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Fuel Oxygenates EPA 8260B	Hold	Comments/ Instructions	Number of Containers
B1-10'	3 Jun 05	1330	Soil																1
B1-20'	↓	1410	↓																1
B1-28'	↓	1430	↓		X	X										X			1
B1-W	↓	1450	water		X	X										X			5
B2-10'	↓	1230	Soil																1
B2-20'	↓	1250	↓																1
B2-23'	↓	1300	↓		X	X										X			1
B3-10'	↓	0950	↓																1
B3-20'	↓	1055	↓																1
B3-24.5'	↓	1115	↓		X	X										X			1

Special Instructions/Comments:

Relinquished by:	Received by:	Sample Receipt
Sign [signature]	Sign [signature]	Total no. of containers:
Print Bob Robitaille	Print STL SF	Chain of custody seals:
Company SECOR	Company STL SF	Rec'd in good condition/cold:
Time 0915 Date 6-6-05	Time 0915 Date 6.6.05	Conforms to record:

Relinquished by: [signature]	Received by: [signature]	
Sign	Sign T. Bullock	Client:
Print NATSA	Print	Client Contact:
Company STL SA	Company STL-SF	Client Phone:
Time 1520 Date 6.6.05	Time 6/6/05 Date 15:20	

SECOR CUSTREC Rev. 2/97

Temp. 3°C

Date: 06/03/05 Page 1 of 2

SECOR CHAIN-OF-CUSTODY RECORD

SECOR

COC # 02552
Page 2 of 2

FIELD OFFICE INFORMATION

OFFICE: San Francisco

Send Report To:
57 Lafayette Cr. 2nd Fl.
Lafayette, CA, 94549

Telephone: (925) 299-9300

Fax / E-Mail: -9302

PROJECT INFORMATION

Project No.: 05OT.50212 Task:

Project Name: PG:E - Livermore Training Ctr.

Project Manager: Mario Sternad

Laboratory: STL

Sample No. / Identification	SAMPLE Date	Time	Matrix*	Container & Size **	Preservative	Number of Containers	ANALYSES / METHOD REQUEST: TPH-g/BTEX EPA 8015/8260B	TPH-d EPA 8015/3510	Fuel Oxy's EPA 8260B	REMARKS / PRECAUTIONS
B3-W	03Jun05	1530	water	3V, 1L	HCl, None		X	X	X	

TAT: [X] Normal [ ] Rush [ ] Other

REPORTING REQUIREMENTS: [ ] MB & SURR [ ] Dup/MS/MSD [ ] Raw Data [ ] GLP Rpt [ ] EDD [ ] Other

Possible Hazard Identification: [X] Non-Hazardous [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months

Sampled by: Bob Robitaille

Shipment Method:

Airbill Number:

	Signature	Print Name	Company	Date	Time
1a	Relinquished by:	Bob Robitaille	SECOR	6.6.05	0915
1b	Received by:	Nivan	STL SF	6.6.05	0915
2a	Relinquished by:	Nivan	STL SF	6.6.05	0915:30
2b	Received by:	T. Bullock	STL-SF	6/6/05	1520
3a	Relinquished by:				
3b	Received by:				

*Matrix Key: AQ = Aqueous AR = Air SO = Soil WA = Waste OT = Other

**Container: A = Amber C = Clear Glass V = VOA S = Soil Jar O = Other T = Tedlar B = Brass P = Plastic OT = Other

Temp. 3°C