RO 358

VALUE, QUALITY, RESPONSE

2007 FEB 26 PM 2:26

Southern California
Northern California
Pacific Northwest
Southwest
Texas
Montana

February 23, 2007
ERI 222903LT.L14

Mr. Lam Truong
Station Manager
2225 Telegraph Avenue
Oakland, California 94612

Alameda County

FEB 26 2007

Environmental Health

SUBJECT Notification of Rescheduled Drilling Activities
Former Exxon Service Station 7-0235
2225 Telegraph Avenue, Oakland, California 94612

Mr. Truong:

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) is notifying you of the necessity to reschedule upcoming field work at the subject site. Field work was scheduled to occur February 20 through February 23, 2007; however, during subsurface clearance activities conducted on February 13, 2007, proposed boring locations were deemed too close to subsurface conduits, and the locations were modified. The City of Oakland Public Works Department - Traffic Division is currently reviewing revised traffic plans for the modified boring locations. Because of this review process, field work is now scheduled to begin March 1 through 7, 2007. Field work will include the advancement of five direct-push soil borings (B5 through B9) to collect soil and groundwater samples. Work is being performed at the direction of the Alameda County Environmental Health Services.

Soil cuttings and rinsate water from drilling activities will be placed in 55-gallon drums and stored at the former Exxon site pending characterization and disposal. Upon receipt of laboratory analytical results of soil samples from the drums, ERI will coordinate with Exxon Mobil for disposal of the soil and water. ERI appreciates your cooperation in ensuring that field work occurs safely and efficiently and will minimize disruptions to station operations while on site.

Please call Ms. Paula Sime, ERI's project manager for these activities at (707) 766-2000 with any questions regarding the work.

Sincerely,
Environmental Resolutions, Inc.

COPY

for

Rebekah A. Westrup
Senior Staff Geologist

for Heidi Duffield-Cole

COPY

Paula Sime
Project Manager

cc: Ms. Jennifer C. Sedlachek, ExxonMobil Refining & Supply – Global Remediation
Mr. Steven Plunkett, Alameda County Health Care Services Agency
Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Robert C. Ehlers, M.S., P.E., The Valero Companies, Environmental Liability Management

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

F

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

January 11, 2007

Ms. Jennifer Sedlachek
ExxonMobil Refining & Supply – Global Remediation
4096 Piedmont Avenue #194
Oakland, CA 94611

Mr. William Wong
PO Box 4032
Concord, CA 94524-2032

Mr. Lam Truong
2225 Telegraph Avenue
Oakland, CA 94612-2315

Mr. Mark Inglis
6001 Bollinger Canyon Rd
PO Box 6012
San Ramon, CA 94583-2324

Subject: Fuel Leak Case No. RO0000358, Exxon #7-2035, 2225 Telegraph Ave., Oakland CA

Dear Ms. Sedlachek and Messrs. Wong, Inglis and Troung

Alameda County Environmental Health Department (ACEH) staff has reviewed the recently submitted reports entitled, "Groundwater Monitoring Report, Second Quarter 2006", and "Addendum to Preferential Pathway Study and Work Plan", dated December 8, 2003 and prepared on your behalf by Environmental Resolutions Inc. (ERI). ACEH agrees with the need for additional off-site soil and groundwater investigation in order to properly characterize soil and groundwater conditions and contamination issues immediately downgradient of the site.

Currently, elevated concentrations of petroleum hydrocarbons occur throughout the site, specifically in monitoring wells MW-6B, MW-6H and RW-1. During April 2006 quarterly groundwater monitoring and sampling, groundwater samples tested maximum concentrations of up to 11,000 µg/L, 2,000 µg/L benzene and 160 µg/L MtBE, respectively. In November 2004 a groundwater sample collected from RW-1 tested elevated concentrations of 127,000 µg/L for TPHg, which is approximately two orders of magnitude above historical concentrations for this well. It is possible that an unreported leak occurred beneath the fuel dispensers and caused this anomalous result. Please provide ACEH with a plausible explanation as to the cause of this unusual result. In addition, the proposed Work Plan recommends the installation of four additional offsite soil borings to characterize potential dissolved plume migration immediately downgradient of your site. Please see the technical comments below regarding the proposed work plan implementation.

We request that you perform the proposed work address the following technical comments and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to steven.plunkett@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Proposed Soil Boring Installation and Soil Sampling.** Current conditions along the northeast property line of the site indicate the presence of elevated concentrations of petroleum hydrocarbons in soil and groundwater. ERI has proposed the installation of four additional soil borings downgradient of MW-6H, MW-6J and RW-2. ACEH generally concurs with the recommendations in the Work Plan provided the following conditions are satisfied. The proposed soil boring locations B5 and B6 are approximately 60 feet apart. Considering the linear separation between these two soil borings, ACEH recommends the installation of one additional soil boring midway between B5 and B6. Furthermore, to delineate the extent of potential off site contamination migration at the north end of the site, ACEH also recommends the installation of one additional soil boring down gradient of MW-6B. The off site Soil Water Investigation (SWI) should include a total of five soil borings.

   ERI suggests that soil sampling be completed to a maximum depth of 20 feet bgs. It is important to determine the depth at which soil is not impacted by petroleum hydrocarbon contamination, and thus demonstrate the vertical profile of soil contamination. ACEH requests that soil samples be submitted for laboratory analyses from the capillary fringe and all depth intervals where staining, odor, changes in lithology or elevated PID readings are observed. If staining, odor, or elevated PID readings are observed over an interval of several feet, a sufficient number of soil samples from this interval should be submitted for laboratory analyses to characterize the contamination within this interval. Please present the result of the SWI in the report requested below.

2. **Preferential Pathway Study**

   The purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of the NAPL and/or plume encountering preferential pathways or conduits that could spread contamination. In particular, the location of the BART tunnel that runs adjacent to the project site. Please evaluate the trend of the tunnel, type of construction and depth of the tunnel boring below grade to determine if the structure and surrounding fill material may be acting as a conduit for plume migration.

   a) **Well Survey**

      The preferential pathway study shall include a detailed well survey of all wells (monitoring and production wells: active, inactive, standby decommissioned (sealed with concrete), abandoned, (improperly decommissioned or lost); and dewatering and cathodic protection wells) within a 2000 feet radius of the subject site. The well survey should include well data from California Department of Water Resource well database and Alameda County Department of Public Works. Submittal of map(s) showing the location of all wells identified in your study, and the use of tables to report the data collected as part of your survey are required. Please refer to the Regional Board's guidance for identification, location, and evaluation of potential deep well conduits when conducting your preferential pathway study. Present the result from the preferential pathway study in the report requested below.

3. **Depth Discrete Groundwater Sampling.** ACEH is concerned that dissolved phase contamination may be moving off site, and thus we agrees with need for depth discrete

groundwater sampling as proposed by ERI. Review of the soil boring data indicate the possibility that a discrete lithologic unit exists at approximately 15 to 20 feet bgs, ACEH requests that depth discrete groundwater samples be collected from this unit to determine whether it maybe contributing to the migration of contamination down gradient of the site. ACEH recommends using the soil boring data to target discrete groundwater bearing zones and direct groundwater sampling activities accordingly. ACEH requests that grab groundwater samples be collected at first groundwater encountered from each direct push soil boring and at locations determined during the soil boring installation. Please present the result from depth discrete groundwater sampling in the SWI requested below.

4. **Soil Chemical Analysis.** ACEH requests that all soil samples collected below five feet bgs. are to be analyzed for the following constituents; TPHg and TPHd by EPA Method 8015M or 8260, BTEX, EDB, EDC, MtBE, TAME, ETBE, DIPE, TBA and EtOH by EPA Method 8260. Please include results from the investigation in the SWI requested below.

5. **Groundwater Chemical Analysis.** ACEH requests that all grab groundwater samples collected during the investigation be analyzed for the following constituents; TPHg and TPHd by EPA Method 8015M or 8260, BTEX, EDB, EDC, MtBE, TAME, ETBE, DIPE, TBA and EtOH by EPA Method 8260. Please include results from the investigation in the SWI requested below.

6. **Project Approach and Investigation Reporting** – Site Conceptual Model

   We anticipate that characterization and remediation work in addition to what is requested in this letter will be necessary at and down gradient from your site. Considerable cost savings can be realized if your consultant focuses on developing and refining a viable Site Conceptual Model (SCM) for the project. A SCM is a set of working hypotheses pertaining to all aspects of the contaminant release, including site geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely magnitude of potential impacts to receptors. The SCM is used to identify data gaps that are subsequently filled as the investigation proceeds. As the data gaps are filled, the working hypotheses are modified, and the overall SCM is refined and strengthened. Subsurface investigations continue until the SCM no longer changes as new data are collected. At this point, the SCM is said to be "validated." The validated SCM then forms the foundation for developing the most cost-effective corrective action plan to protect existing and potential receptors.

   When performed properly, the process of developing, refining and ultimately validating the SCM effectively guides the scope of the entire site investigation. We have identified, based on our review of existing data, some initial key data gaps in this letter and have described several tasks that we believe will provide important new data to refine the SCM. **We request that your consultant develop a SCM for this site, identify data gaps, and propose specific supplemental tasks for future investigations.** There may need to be additional phases of investigations, each building on the results of the prior work, to validate the SCM. Characterizing the site in this way will improve the efficiency of the work and limit its overall cost.

   Both industry and the regulatory community endorse the SCM approach. Technical guidance for developing SCMs is presented in API's Publication No. 4699 and EPA's Publication No.

EPA 510-B-97-001 both referenced above; and "Guidelines for Investigation and Cleanup of MTBE and Other Ether-Based Oxygenates, Appendix C," prepared by the State Water Resources Control Board, dated March 27, 2000.

The SCM for this project shall incorporate, but not be limited to, the following:

a) A concise narrative discussion of the regional geologic and hydrogeologic setting obtained from your background study. Include a list of technical references you reviewed, and copies (photocopies are sufficient) of regional geologic maps, groundwater contours, rose diagrams, cross-sections, etc.

b) A concise discussion of the on-site and off-site geology, hydrogeology, release history, source zone, plume development and migration, attenuation mechanisms, preferential pathways, and potential threat to down gradient and above-ground receptors. Be sure to include the vapor pathway in your analysis. Maximize the use of large-scale graphics (e.g., maps, cross-sections, contour maps, etc.) and conceptual diagrams to illustrate key points. Geologic cross-sections, which include an interpretive drawing of the vertical extent of soil and groundwater contamination (i.e., an interpretive drawing—not a plot of laboratory results). The SCM report requested below is to include one cross section parallel and one cross section perpendicular to the contaminant plume axis. Each cross section should include, but not be restricted to, the following:

1. Subsurface geologic features, depth to groundwater and man-made conduits.
2. Surface topography. The cross sections should be extended off-site where necessary to show significant breaks in slope.
3. Soil descriptions for all borings and wells along the line of section.
4. Screen and filter pack intervals for each monitoring well.
5. Sampling locations and results for soil and grab groundwater samples.
6. Site features such as the tank pit, dispensers, buildings etc. Where appropriate, monitoring well location and soil boring locations will be projected back to the strike of the cross section line.

c) Identification and listing of specific data gaps that require further investigation during subsequent phases of work.

d) Proposed activities to investigate and fill data gaps identified above.

e) The SCM shall include an analysis of the hydraulic flow system at and down gradient from the site. Include rose diagrams for groundwater gradients. The rose diagram shall be plotted on groundwater contour maps and updated in all future reports submitted for your site. Include an analysis of vertical hydraulic gradients. Note that these likely change due to seasonal precipitation and pumping.

f) Temporal changes in the plume location and concentrations are also a key element of the SCM. In addition to providing a measure of the magnitude of the problem, these data are often useful to confirm details of the flow system inferred from the hydraulic head measurements. Include plots of the contaminant plumes on your maps, cross-sections, and diagrams.

g) Several other contaminant release sites exist in the vicinity of your site. Hydrogeologic and contaminant data from those sites may prove helpful in testing certain hypotheses for your SCM. Include a summary of work and technical findings from nearby release sites and incorporate the findings from nearby site investigations into your SCM.

h) Plots of chemical concentrations vs. time and vs. distance from the source. Plots should be shown for each monitoring well, which has had detectable levels of contaminants

i) Summary tables of chemical concentrations in each historically sampled media (including soil, groundwater and soil vapor).

j) Boring and well logs (including construction/screening), and a summary table indicating construction specifications for each monitoring and extraction well.

Please report the information discussed above in your initial SCM and include it in the SCM Report requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Mr. Steven Plunkett), according to the following schedule:

- **February 15, 2007** – Updated preferential Pathway Study with Site Conceptual Model
- **March 30, 2007** – Soil and Groundwater Investigation Report

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

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail. Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format).

Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

If you have any questions, please call me at (510) 383-1767.

Sincerely,

Steven Plunkett
Hazardous Materials Specialist

cc: Ms. Paula Sime
Environmental Resolutions Inc.
601 North McDowell Boulevard
Petaluma, CA 94954

Donna Drogos, ACEH
Steven Plunkett, ACEH
File

ExxonMobil
Refining & Supply Company
Global Remediation

4096 Piedmont Avenue #194
Oakland, California 94611
510.547.8196
510.547.8706 Fax
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek
Project Manager

ExxonMobil
Refining & Supply

September 28, 2004

Mr. Amir Gholami
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: Former Exxon Service Station Sites Located in Alameda County.

Dear Mr. Gholami:

Effective September 20, 2004, Mr. Gene N. Ortega is no longer handling the oversight of these sites.

Former Exxon Service Station 7-0104, 1725 Park Street, Alameda, California – RO 448
Former Exxon Service Station 7-0235, 2225 Telegraph Avenue, Oakland, California RO 358
Former Exxon Service Station 7-0238, 2200 East 12th Street, Oakland, California – RO 390
Former Exxon Service Station 7-3006, 720 High Street, Oakland, California – RO 491

I (Ms. Jennifer C. Sedlachek) am now the ExxonMobil Project Manager for these sites. Please direct all correspondences and inquiries regarding these sites to me at:

Phone: 510.547.8196
Fax: 510.547.8706

Address: 4096 Piedmont Avenue #194
Oakland, California 94611

Electronic Mail: Jennifer.C.Sedlachek@exxonmobil.com

Sincerely,

J Sedlachek

Jennifer C. Sedlachek
Project Manager

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

March 15, 2004

Gene Ortega, Territory Manager Global Remediation – US Retail
ExxonMobil
Refining & Supply Co.
Global Remediation
2300 Clayton Rd., Suite 1250
Concord, CA 94520

Dear Mr. Ortega:

Subject: Fuel Leak Case No. RO0000358, Exxon #7-0235,
2225 Telegraph Ave., Oakland, CA

Alameda County Environmental Health staff reviewed "Response to Agency Comments and Addendum to Preferential Pathway Study and Work Plan" dated December 8, 2003, and Quarterly Groundwater Monitoring Report, 4th Quarter 2003" dated January 20, 2004, both prepared by Environmental Resolutions, Inc. We request that you address the following technical comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Proposed Locations Off-site Soil Borings (B5 through B7): The proposed locations for B5 and B6 are acceptable. The proposed location of B7 appears to be where GP2 was collected when 100 ug/l Total Purgeable Petroleum Hydrocarbons as gasoline (TPPHg) was detected at 12 feet. Therefore, a different location ought to be selected. We request that depth discrete grab groundwater sampling be used. Please propose additional grab groundwater sampling locations to determine optimal well locations. Include your proposal in the Work Plan Addendum requested below.
2) Depth of Borings - The proposed borings depths are to just below first-encountered groundwater. The collection of groundwater samples at that depth may miss petroleum product entrapped below the water table. Please propose drilling borings to depths below the water table, which will account for entrapped petroleum product. Include in the Work Plan Addendum.
3) Soil Samples from Borings - Instead of collecting soil boring samples at 5 ft. intervals as proposed, soil samples shall be collected at a minimum of every 5 ft., including at changes of lithology, at the soil/groundwater interface, and at areas of obvious contamination. Please include in the Work Plan Addendum.

4) Preferential Pathway Study – Geologic cross sections including underground utilities were provided. Based on the depths of the underground utilities versus the historic highest and lowest groundwater levels, it was determined that groundwater does not intersect the utility trenches. Were the width of the utility lines and trench backfill taken into consideration?
5) DPE Interim Remediation - Please state why you want to evaluate other remedial alternatives after conducting a Dual-Phase Extraction (DPE) Pilot Test, which determined that DPE was effective at this site.
6) Historical Hydraulic Gradients – Please remember to include a rose diagram with magnitude and direction; include cumulative groundwater gradients in all future reports submitted for this site.

TECHNICAL REPORT REQUEST

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

April 30, 2004 - Work Plan Addendum
April 30, 2004 - Quarterly Groundwater Monitoring Report, 1st Quarter 2004
July 31, 2004 - Quarterly Groundwater Monitoring Report, 2nd Quarter 2004
October 31, 2004 - Quarterly Groundwater Monitoring Report, 3rd Quarter 2004
January 31, 2005 - Quarterly Groundwater Monitoring Report, 4th Quarter 2004

If you have any questions, you may call me at 510/567-6746.

Sincerely,

Don Hwang

Don Hwang
Hazardous Materials Specialist
Local Oversight Program

c: Robert Saur, Environmental Resolutions, Inc., 73 Digital Dr., Suite 100, Novato, CA 94949-5791
Donna Drogos
File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
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(510) 567-6700
FAX (510) 337-9335

October 10, 2003

Gene Ortega, Territory Manager Global Remediation – US Retail
ExxonMobil
Refining & Supply Co.
Global Remediation
2300 Clayton Rd., Suite 1250
Concord, CA 94520

Dear Mr. Ortega:

Subject: Fuel Leak Case No. RO0000358, Exxon #7-0235,
2225 Telegraph Ave., Oakland, CA

Alameda County Environmental Health staff reviewed "Response to Agency Comments and Request for Information, …", dated May 22, 2003, and "Response to Agency Comments, …" dated October 29, 2002, both prepared by Environmental Resolutions, Inc. The work plan is disapproved for the reasons stated. We request that you address the following technical comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Preferential Pathway Study – We received a map showing the locations of utilities on Telegraph Ave. between West Grand Ave. and 22nd St. However, the depths of gas, electric, water, and storm drain trenches were not provided. The depth of the sewer trench was provided and it was indicated that at its depth groundwater could be intercepted. For the other utilities, the estimated depths may be used to determine if be could be intercepted. Please submit map(s) and cross-sections showing the location and depth of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s). Evaluate the probability of the contaminant plumes encountering preferential pathways and conduits that could spread the contamination, particularly in the vertical direction to deeper water aquifers. Please incorporate into the Work Plan requested below. If so, propose a sampling plan for the trenches. Include in the Work Plan Addendum requested below.
2) Proposed Groundwater Monitoring Well - The preferential pathway study needs to be done prior to locating the well. Groundwater samples have been collected by the proposed well MW6K. The concentrations were at or below laboratory method reporting limits. Grab groundwater samples were collected from locations GP1 and GP2, on March 29, 2000. Concentrations of dissolved hydrocarbons in both grab groundwater sampling points were below laboratory method reporting limits except 100 ug/l Total Purgeable Petroleum Hydrocarbons as Gasoline (TPPH-G). Monitoring well MW6J has been sampled quarterly since July 5, 2001. MW6J concentrations exceeded laboratory

method reporting limits only on April 2, 2002, 1 ug/l Methyl Tertiary-Butyl Ether (MTBE), 0.8 ug/l benzene, and 0.8 ug/l xylene. The nearly nondetectable concentrations makes the proposed well location undesirable because it may indicate that the location is beyond the limits of the plume or that the plume flow is in a different direction. Please propose additional grab groundwater sampling to determine the location of the plume for optimal well locations. We request that depth discrete grab groundwater sampling be used. Include your proposal in the Work Plan Addendum requested below.

3) DPE Interim Remediation - "Dual-Phase Extraction (DPE) Pilot Test" dated October 19, 2001 determined that DPE was effective at this site. We have not received your recommendations and specifications for DPE on a full scale as previously requested. Instead, you propose a Corrective Action Plan (CAP), which will evaluate remedial alternatives, including DPE, at this site. Please indicate the elements and the other remedial alternatives that you plan to include in your evaluation. Include in the Work Plan Addendum requested below.
4) Groundwater Monitoring – Your consultant indicated that sampling of the requested fuel oxygenates and lead scavengers would be initiated during the first quarter 2003. We seem to have misplaced that report. Please submit another copy.
5) Professional seal - Both reports reviewed were unstamped. All technical reports must contain a statement of professional certification with the appropriate professional signatures and seals.

TECHNICAL REPORT REQUEST

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

October 31, 2003 - Quarterly Groundwater Monitoring Report, 1st Quarter 2003
October 31, 2003 - Quarterly Groundwater Monitoring Report, 2nd Quarter 2003
October 31, 2003 - Quarterly Groundwater Monitoring Report, 3rd Quarter 2003
December 10, 2003 - Work Plan Addendum
January 31, 2004 - Quarterly Groundwater Monitoring Report, 4th Quarter 2003

If you have any questions, you may call me at 510/567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
Local Oversight Program

c: Paula Sime, Environmental Resolutions, Inc., 73 Digital Dr., Novato, CA 94949-5791
Donna Drogos
File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

March 25, 2003

Gene Ortega, Territory Manager Global Remediation – US Retail
ExxonMobil
Refining & Supply Co.
Global Remediation
2300 Clayton Rd., Suite 1250
Concord, CA 94520

Dear Mr. Ortega:

Subject: Fuel Leak Case No. RO0000358, Exxon #7-0235,
2225 Telegraph Ave., Oakland, CA

Alameda County Environmental Health staff reviewed "Quarterly Groundwater Monitoring Report, 3rd Quarter 2002" dated October 8, 2002, "Preferential Pathway Study and Work Plan" dated November 25, 2002, and "Quarterly Groundwater Monitoring Report, 4th Quarter 2002" dated December 12, 2002, all prepared by Environmental Resolutions, Inc. Monitoring wells MW6B, MW6E, MW6F, MW6G, MW6J, RW2, and RW3A, historically and again had contaminant concentrations which were low or less than detection limits. MW6H's contaminant concentrations have decreased quarterly over the past year. RW1's contaminant concentrations were within historical ranges. The work plan is disapproved for the reasons stated. We request that you address the following technical comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Preferential Pathway Study – We received a map showing the locations of utilities on Telegraph Ave. between West Grand Ave. and 22nd St. However, the depths of gas, electric, water, and storm drain trenches were not provided. The depth of the sewer trench was provided and it was indicated that at its depth groundwater could be intercepted. Determine if any of the other utilities are of sufficient depth to intercept the contaminant plume. If so, propose a sampling plan for the trenches. Include in the Work Plan Addendum requested below.
2) Proposed Groundwater Monitoring Well - The proposal for the groundwater monitoring well is disapproved because the preferential pathway study hasn't determined if the contaminant plume would be intercepted by utilities and we feel that it would be premature to install more monitoring wells without additional grab groundwater sampling to determine the location of the plume for optimal well locations. We request that depth discrete grab groundwater sampling be used. Include your proposal in the Work Plan Addendum requested below.

3) DPE Interim Remediation - "Dual-Phase Extraction (DPE) Pilot Test" dated October 19, 2001 determined that DPE was effective at this site. We have not received your recommendations and specifications for DPE on a full scale as previously requested. Submit.
4) Groundwater Monitoring - The following analyses have not been included as previously requested: Tertiary Amyl Methyl Ether (TAME), Ethyl Tertiary Butyl Ether (ETBE), Di-Isopropyl Ether (DIPE), Tertiary Butyl Alcohol (TBA), Ethanol, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC). Include in your next round of quarterly groundwater monitoring. In your discussion of the results, provide recommendation as to whether these analyses should be continued.
5) Soil Sample Analyses for MW6A, MW6B, MW6C, MW6D (drilled June & July 1988) – Missing. Previously requested, have not been submitted. Submit.

REQUEST FOR INFORMATION

You were also requested to submit a "list of landowners". We still have not received the "list of landowners" from you. You must inform all current record owners of fee title to the site of proposed actions and certify to us that they have been informed. Submit.

TECHNICAL REPORT REQUEST

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

April 30, 2003 - List of Landowners
April 30, 2003 - Soil Sample Report for MW6A, MW6B, MW6C, MW6D
April 30, 2003 - Quarterly Groundwater Monitoring Report, 1st Quarter 2003
May 25, 2003 - Work Plan Addendum
July 31, 2003 - Quarterly Groundwater Monitoring Report, 2nd Quarter 2003
October 31, 2003 - Quarterly Groundwater Monitoring Report, 3rd Quarter 2003
January 31, 2004 - Quarterly Groundwater Monitoring Report, 4th Quarter 2003

If you have any questions, you may call me at 510/567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
Local Oversight Program

c: Paula Sime, Environmental Resolutions, Inc., 73 Digital Dr., Novato, CA 94949-5791
Donna Drogos
File

Hwang, Don, Env. Health

From: Paula Sime [psime@eri-us.com]
Sent: Tuesday, October 29, 2002 9:26 AM
To: ddrogos@co.alameda.ca.us; dhwang@co.alameda.ca.us
Subject: Work Plan Extension

SUBJECT: Former Exxon Service Station 7-0235, 2225 Telegraph Avenue, Oakland, California.

Per a telephone conversation between Paula Sime of Environmental Resolutions, Inc. (ERI) and Donna Drogos of Alameda County on October 29, 2002, Ms. Drogos approved an extension of the due date for ERI's *Work Plan for Off-site Delineation* for the subject site from October 31, 2002 to November 27, 2002. This extension was granted in order to allow ERI to obtain further information on underground utility conduits in the vicinity of the site and incorporate that information into the work plan. Please contact Paula Sime at ERI, (415) 382-4324 with any questions.

Paula Sime
Environmental Resolutions, Inc.

Hwang, Don, Env. Health

From: Paula Sime [psime@eri-us.com]
Sent: Tuesday, October 29, 2002 9:26 AM
To: ddrogos@co.alameda.ca.us; dhwang@co.alameda.ca.us
Subject: Work Plan Extension

SUBJECT: Former Exxon Service Station 7-0235, 2225 Telegraph Avenue, Oakland, California.

Per a telephone conversation between Paula Sime of Environmental Resolutions, Inc. (ERI) and Donna Drogos of Alameda County on October 29, 2002, Ms. Drogos approved an extension of the due date for ERI's *Work Plan for Off-site Delineation* for the subject site from October 31, 2002 to November 27, 2002. This extension was granted in order to allow ERI to obtain further information on underground utility conduits in the vicinity of the site and incorporate that information into the work plan. Please contact Paula Sime at ERI, (415) 382-4324 with any questions.

Paula Sime
Environmental Resolutions, Inc.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

9-12-02

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

September 11, 2002

Gene Ortega, Territory Manager Global Remediation – US Retail
ExxonMobil
Refining & Supply Co.
Global Remediation
2300 Clayton Rd., Suite 1250
Concord, CA 94520

Dear Mr. Ortega:

Subject: Fuel Leak Case No. RO0000358, Exxon #7-0235,
2225 Telegraph Ave., Oakland, CA

Alameda County Environmental Health staff reviewed "Well Installation Report ..." dated September 7, 2001; "Dual-Phase Extraction Pilot Test" dated October 19, 2001, and quarterly groundwater monitoring reports including "...2nd Quarter 2002", all prepared by Environmental Resolutions, Inc.

TECHNICAL COMMENTS

1) Conduit Study – The groundwater monitoring wells downgradient and closer to the former tank location and dispensers, MW6H, RW1, and RW2, found concentrations as high as 47,100 ug/l TPHG, 7,880 ug/l benzene and 7,760 ug/l MTBE, since 2001. Further downgradient groundwater monitoring wells, MW6I and MW6J, have almost always been NonDectable (ND) for all contaminants of concern. A conduit study is needed to determine if preferential pathways exist.
2) Site Characterization - The groundwater plume appears to be migrating off the eastside of the property. Submit a proposal for additional groundwater sampling to delineate the plume.

3) DPE Interim Remediation - "Dual-Phase Extraction (DPE) Pilot Test" dated October 19, 2001 determined that DPE was effective at this site. Submit your recommendation and specifications for DPE on a full scale.
4) Groundwater Monitoring - Include fuel oxygenates, Tertiary Amyl Methyl Ether (TAME), Ethyl Tertiary Butyl Ether (ETBE), Di-Isopropyl Ether (DIPE), Tertiary Butyl Alcohol (TBA), and Ethanol. Also, include lead scavengers, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC). In your discussion of the results, provide recommendation as to whether these analyses should be continued.
5) Soil Sample Analyses for MW6A, MW6B, MW6C, MW6D (drilled June & July 1988) – Missing. Submit.

REQUEST FOR INFORMATION

You were previously requested to submit a "list of landowners" in a letter dated May 4, 1999. No response was found in our files. Enclosed is a copy of our letter. You must inform all current record owners of fee title to the site of proposed actions and certify to us that they have been informed. Please submit a "list of landowners".

TECHNICAL REPORT REQUEST

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

October 31, 2002 - Work Plan
October 31, 2002 - Quarterly Groundwater Monitoring Report, 3rd Quarter 2002
October 31, 2002 - Soil Sample Report for MW6A, MW6B, MW6C, MW6D
January 31, 2003 - Quarterly Groundwater Monitoring Report, 4th Quarter 2002
April 30, 2003 - Quarterly Groundwater Monitoring Report, 1st Quarter 2003
July 31, 2003 - Quarterly Groundwater Monitoring Report, 2nd Quarter 2003

If you have any questions, you may call me at 510/567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
Local Oversight Program

c: Paula Sime, Environmental Resolutions, Inc., 73 Digital Dr., Novato, CA 94949-5791

File

ENVIRONMENTAL RESOLUTIONS, INC.

August 23, 2001
ERI 222905RC.L01

Mr. Robert Cave
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109-7799

AUG 2 9 2001

Subject: Notification of Startup of Portable Soil Vapor Extraction System; Application 2018; Plant 12856; at Former Exxon Service Station 7-0235, 2225 Telegraph Avenue, Oakland, California.

Mr. Cave:

At the request of ExxonMobil Refining and Supply (formerly Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) is providing notification of the portable soil vapor extraction (SVE) system startup scheduled for September 11, 2001. ERI will be performing a 14-day dual-phase extraction (DPE) pilot test using a liquid ring pump (LRP) connected to well RW1, as shown on the attached Generalized Site Plan (Plate 1). ERI will operate the portable SVE system in accordance with the Authority To Construct Permit for Plant 12856.

ERI performed a school search in the vicinity of the site on August 20, 2001. Based on the results of the search, the distance from the source to the outer boundary of the nearest school, St. Andrews Missionary Baptist, is greater than 1,500 feet. Extracted vapor will be directed through two 500-pound vapor-phase carbon vessels connected in series for abatement. Monitoring and sampling of the system will be conducted in accordance with the Authority To Construct Permit. Water generated during the test will be treated and discharged in accordance with the Wastewater Discharge Permit No. 50467021, obtained from the East Bay Municipal Utility District.

Please call Mr. Casey P. Sanders at (415) 382-3592 with any questions regarding the work.

Sincerely,
Environmental Resolutions, Inc.

Casey P. Sanders
Staff Scientist

Scott D. Thompson
Program Manager

Attachment: Plate 1: Generalized Site Plan

cc: Mr. Gene Ortega, ExxonMobil Refining and Supply (w/out attachment)
Mr. Don Hwang, Alameda County Health Care Services Agency, Environmental Health Division (w/out Attachment)
Ms. Trish Maguire, East Bay Municipal Utility District (w/out Attachment)
Lam Truong, Station Owner (with Attachment)
Ramon Estrada, Valero Refining Company (w/out Attachment)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

August 20, 2001

Darin Rouse, Senior Engineer
Exxon Co., U.S.A.
ExxonMobil
Refining & Supply
Safety, Health and Environment
Environmental Engineering
P.O. Box 4032
Concord, CA 94524-4032

Dear Mr. Rouse:

Subject: Exxon RAS #7-0235, 2225 Telegraph Ave., Oakland, CA
RO0000358

"Work Plan to Perform a Dual-Phase Extraction Test (DPE)..." dated April 17, 2001, by Environmental Resolutions, Inc., was determined to be acceptable by Chuck Headlee, Regional Water Quality Control Board, after reviewing a fax copy which I sent him. Therefore, it is approved. Please notify me when DPE will occur.

If you have any questions, call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Casey Sanders, Environmental Resolutions, Inc., 73 Digital Dr., Suite 100, Novato, CA 94949-5791

file

ENVIRONMENTAL RESOLUTIONS, INC.

JUL 26 2001

July 23, 2001
ERI 222905DH.L01

Mr. Don Hwang
Alameda County Health Care Services Agency
Environmental Health Division
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Requested Supplemental Information of Work Plan to Perform a Dual-Phase Extraction Test at the Former Exxon Service Station 7-0235, 2225 Telegraph Avenue, Oakland, California.

Mr. Hwang:

At the request of ExxonMobil Refining and Supply (formerly Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) performs environmental activities at the subject site. ERI is submitting additional information on the process of using dual-phase extraction (DPE) using a liquid ring pump (LRP).

DPE is the simultaneous extraction of groundwater and soil vapors from a common borehole. DPE enables venting of soil vapors through previously semi-saturated and saturated soils by lowering the groundwater table at the point of vapor extraction. ERI uses a DPE technology called drop-tube entrainment extraction, removing both liquid and soil vapor by applying high vacuum applied to a tube inserted in an extraction well. The LRP produces a vacuum of up to 28 inches of mercury. Once the groundwater and soil vapor are remove from the extraction well they are separated through a gas/ liquid separator before treatment. For this project, treatment will be by granular activated carbon (GAC).

ERI requests that the Alameda County Health Care Services Department continues processing the work plan to perform a DPE test for this site.

Please call Mr. Scott D. Thompson at (415) 382-5987 with any questions regarding this project.

Sincerely,
Environmental Resolutions, Inc.

Casey P. Sanders
Staff Scientist

Scott D. Thompson
Project Manager

cc: Mr. Gene Ortega, ExxonMobil Refining and Supply

Winston H. Hickox
Secretary for Environmental Protection

State Water Resources Control Board

Division of Clean Water Programs
2014 T Street • Sacramento, California 95814 • (916) 227-4366
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 227-4530 • Internet Address: http://www.swrcb.ca.gov/~cwphome/ustcf

Gray Davis
Governor

SEP 25 2000

Deborah Pryor
C/O Equiva Serv LLC
Texaco R & M, L.A. Div.
P O Box 7869
Burbank, CA 91510-7869

RO 0358

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 006129, FOR SITE ADDRESS: 2225 TELEGRAPH, OAKLAND

The State Water Resources Control Board (State Board) is able to issue, pursuant to applicable regulations, the enclosed Letter of Commitment (LOC) in an amount not to exceed $500,000. This LOC is based upon our review of the corrective action costs you reported to have incurred to date. The LOC may be modified by the State Board.

Pursuant to Exxon Company USA's letter dated March 11, 1998, stated that on February 1, 1998 Exxon Company USA and Texaco Refining and Marketing , Inc., entered into an agreement that Exxon will be the lead responsible party for the subject site from this point forward. Therefore, only costs incurred by Texaco will be reimbursed.

It is very important that you read the terms and conditions listed in the enclosed LOC. Claims filed with the Underground Storage Tank Cleanup Fund far exceed the funding available and it is very important that you make use of the funding that has been committed to your cleanup in a timely manner.

You are reminded that you must comply with all regulatory agency time schedules and requirements and you must obtain three bids for any required corrective action. Only corrective action costs *required* by the regulatory agency to protect human health, safety and the environment can be claimed for reimbursement. **Unless waived in writing, you are required to obtain *preapproval of costs* for all future corrective action work (form enclosed).** If you have any questions on obtaining preapproval of your costs or the three bid requirement, please call Sunil Ramdass, our Technical Reviewer assigned to claims in your Region, at (916) 227-7748. Failure to obtain preapproval of your future costs may result in the costs not being reimbursed.

The following documents needed to submit your reimbursement request are enclosed:

"Reimbursement Request Instructions" package. **Retain this package for future reimbursement requests**. These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in the instruction package are samples of completed reimbursement request forms and spreadsheets.

"Bid Summary Sheet" to list information on bids received which **must be completed and returned**.

"Reimbursement Request" forms which you **must use to request reimbursement of costs incurred**.

"Spreadsheet" forms which you **must use in conjunction with your reimbursement request**.

"Notice of Change of Address" form if needed.

☛ **THIS IS IMPORTANT TO YOU, PLEASE NOTE:**

You have 90 calendar days from the date of this letter to submit your first reimbursement request for incurred corrective action costs. **NO EXTENSIONS CAN BE GRANTED**. If you fail to do so, your LOC funds will automatically be reduced to zero (deobligated). Once this occurs, any future funds for this site are subject to availability when you submit your first reimbursement request. We continuously review the status of all active claims. You must continue to remain in compliance and submit a reimbursement request every 6 months. Failure to do so will result in the Fund taking steps to withdraw your LOC.

If you have any questions regarding the enclosed documents, please contact <payments leader>.

Sincerely,

Allan V. Patton, Manager
UST Cleanup Fund Program

Enclosures

cc: Mr. Steve Morse
RWQCB, Region 2
1515 Clay Street, Ste. 1400
Oakland, CA 94612

Mr. Thomas Peacock
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

July 6, 2000

Darin Rouse, Senior Engineer
Exxon Co., U.S.A.
ExxonMobil
Refining & Supply
Safety, Health and Environment
Environmental Engineering
P.O. Box 4032
Concord, CA 94524-4032

Dear Mr. Rouse:

Subject: Exxon RAS #7-0235, 2225 Telegraph Ave., Oakland, CA
StId 1039

"Soil and Groundwater Investigation..." dated May 11, 2000, by Environmental Resolutions, Inc., was reviewed. Geoprobe borings, GP1 and GP2, were NonDetect (ND) for Total Purgeable Petroleum Hydrocarbons as Gasoline (TPPHg), benzene, toluene, ethyl benzene, xylene (BTEX), Methyl Tertiary-Butyl Ether (MTBE) in soil and groundwater samples except for groundwater sample, W-12-GP2, which had 100 ug/l TPPHg. The proposed well installation is approved with additional soil and groundwater analyses for TPH-Motor Oil using modified EPA Method 8015, and MTBE. Also, groundwater recovery well, RW1, is to be included in future sampling events and all groundwater samples are to include analysis for TPH-Motor Oil.

If you have any questions, call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist

C: Jim Chappell, Environmental Resolutions, Inc., 73 Digital Dr., Suite 100, Novato, CA 94949-5791

file

LOP - CHANGE RECORD REQUEST FORM

printed: 06/16/2000

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp:

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
StID : 1039 LOC: -0-
SITE NAME: Exxon # 7-0235 DATE REPORTED : 11/27/1991
ADDRESS : 2225 Telegraph Ave DATE CONFIRMED: 11/27/1991
CITY/ZIP : Oakland 94612 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: O	CONTRACT STATUS: 7	PRIOR CODE:1B3	EMERGENCY RESP: -0-	
RP SEARCH: S			DATE COMPLETED:	04/27/1992
PRELIMINARY ASMNT: C	DATE UNDERWAY:	09/08/1989	DATE COMPLETED:	11/30/1989
REM INVESTIGATION: -	DATE UNDERWAY:	11/30/1989	DATE COMPLETED:	-0-
REMEDIAL ACTION: U	DATE UNDERWAY:	09/07/1990	DATE COMPLETED:	-0-
POST REMED ACT MON:-	DATE UNDERWAY:	-0-	DATE COMPLETED:	-0-

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 04/27/1992
LUFT FIELD MANUAL CONSID: 3HSCAWG
CASE CLOSED: - DATE CASE CLOSED: -0-
DATE EXCAVATION STARTED : 11/27/1991 REMEDIAL ACTIONS TAKEN: ED,GT,FP,VE

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Marla Guensler
COMPANY NAME: Exxon Co
ADDRESS: P O Box 4032
CITY/STATE: Concord, C A 94524-2032

RP#2-CONTACT NAME: Bob Robles
COMPANY NAME: Texaco Refining &marketing Inc
ADDRESS: 10 Universal City Plaza
CITY/STATE: Universal City, Ca 91608

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

ANNPGMS _____ LOP____ DATE _____

Case Progress Changes

LOP _____ DATE _____

- STID 1039 Exxon Station, 2225 Telegraph Ave.

Off-site Geoprobe investigation performed 3/99. Report is still pending. Needs SCM.

Keep Mar

Don - Please take over this Case. Marla.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

February 24, 2000

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

STID 1039

Mr. Darin Rouse
Exxon Company, U.S.A.
P.O. Box 4032
Concord, CA 94524-4032

RE: Exxon Service Station 7-0235, 2225 Telegraph Avenue, Oakland

Dear Mr. Rouse:

This letter follows my review of the January 4, 2000 Environmental Resolutions, Inc. (ERI) work plan for a soil and water investigation (SWI) in locations downgradient of the subject site. This work plan was submitted in response to a November 5, 1999 request from this office for such work, prompted by the significant increase in methyl tert-butyl ether (MtBE) concentrations identified in water samples collected from well MW6H in the last two years.

ERI proposes the use of Geoprobe® or other "push-tool" sampling equipment to advance two borings into Telegraph Avenue from which both soil and groundwater samples will be collected. Although the proposed scope of work is acceptable as a preliminary step in the assessment, it is not a replacement for the monitoring wells requested previously.

The cited ERI workplan is accepted as submitted for this preliminary stage of the SWI.

Please call me at (510) 567-6783 should you have any questions and to advise me when permits have been secured and field work scheduled.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
Leroy Griffin, Oakland Fire Department
Jim Chappell, Env. Resolutions, Inc., 73 Digital Dr., Ste. 100, Novato, CA 94949

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

November 9, 1999

STID 1039

Mr. Darin Rouse
Exxon Company, U.S.A.
P.O. Box 4032
Concord, CA 94524-4032

RE: Exxon Service Station 7-0235, 2225 Telegraph Avenue, Oakland

Dear Mr. Rouse:

This letter follows my review of the October 5, 1999 Environmental Solutions, Inc. (ESI) and follow-up review of the case file for the subject site. As you may be aware, sampling data generated since ~1997 appear to demonstrate that a "recent" release has occurred at this site. This interpretation is bolstered by review of analytical data from well MW-6H for the period between August 1997 and the present, particularly with respect to concentrations of methyl tert-butyl ether (MtBE). A letter addressed to Leroy Griffin of the Oakland Fire Department (OFD) on July 8, 1999 (attached) articulates this concern.

Consistent with current California law and regulations, and guidance policy from the Regional Water Quality Control Board (RWQCB), the extent of the release from this site must be determined. The current well network does not provide the coverage necessary to satisfy this fundamental requirement.

At this time, please have your consultant evaluate appropriate well locations and submit a soil and water investigation (SWI) work plan for the continued assessment of this release. **The SWI work plan is due within 60 days of the date of this letter.**

Please call me at (510) 567-6783 should you have any questions about the content of this letter.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Attachment

cc: Chuck Headlee, RWQCB
Leroy Griffin, Oakland Fire Department
John Skance, Env. Resolutions, Inc., 73 Digital Dr., Ste. 100, Novato, CA 94949

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

July 8, 1999

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

STID 1039

Mr. Leroy Griffin
Oakland Fire Department
504 - 14th Street, 7th Floor
Oakland, CA 94612

RE: Exxon Service Station #7-0235, 2225 Telegraph Avenue, Oakland

Dear Mr. Griffin:

This letter is sent in follow-up to my telephone message to you on July 6th and my conversation this morning with Hernon Gomez of your staff. As I communicated in both instances, reported sampling data from wells MW-6H and RW-2 have demonstrated a recent trend of increasing concentrations of dissolved- and immiscible-phase gasoline components. For example, methyl tert butyl ether (MtBE) concentrations in well MW-6H increased 10-fold between the January and April 1999 sampling events. Moreover, MtBE concentrations have increased 1000-fold in this well since August 1997. In addition, a free-product "sheen" was noted in RW-2 in April 1999, the first time to my knowledge that this has been observed in this or any other well at the site. A site map is attached showing well locations and recent sampling results.

These data appear to demonstrate that a subsequent release from the underground storage tank (UST) system has occurred at this site. This is being brought to your attention as a courtesy in order to assist the city in its role to ensure UST compliance and operator adherence to requirements of the UST permit.

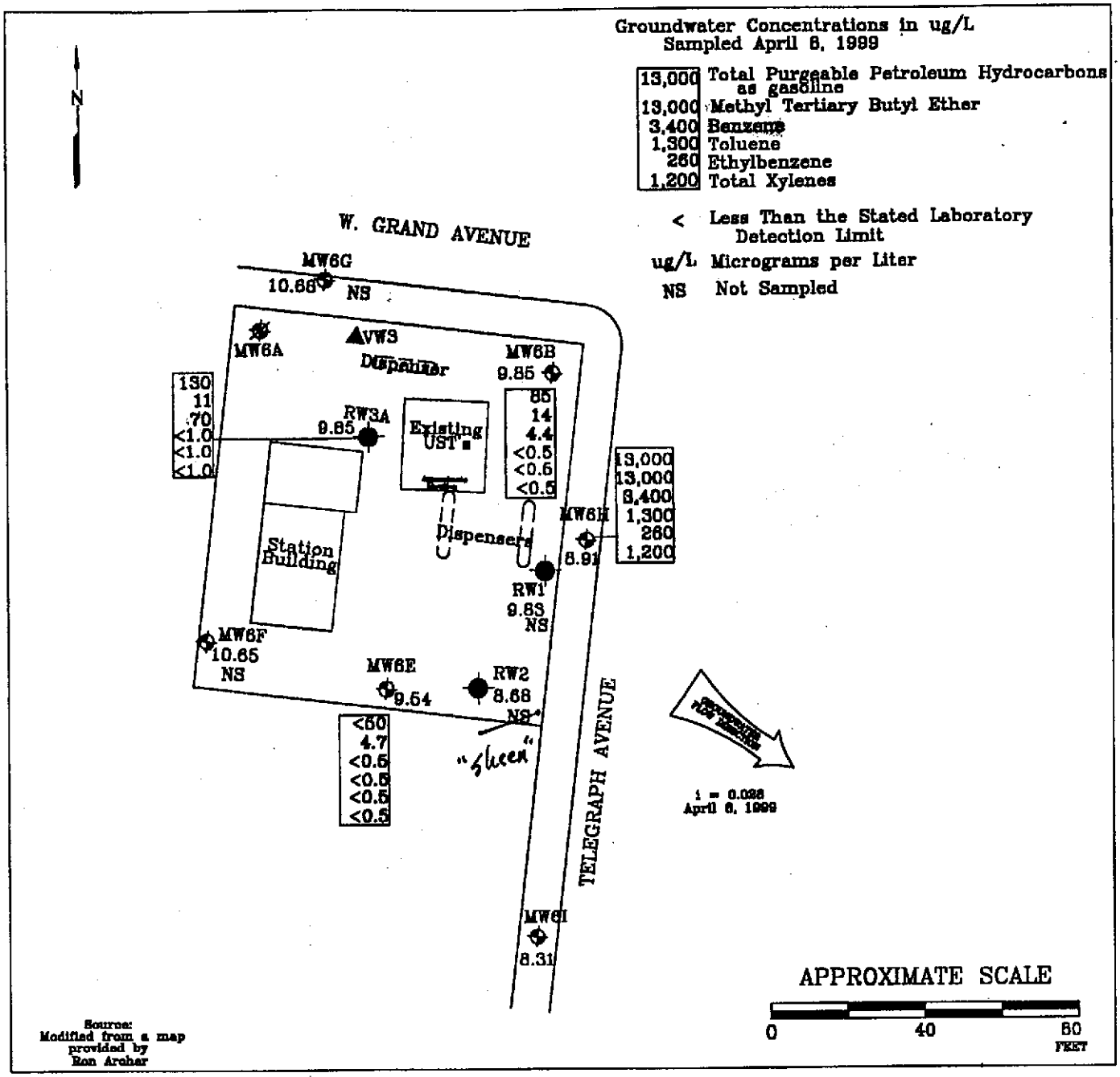
Please call me at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Attachment

c: Tom Peacock, ACDEH
Chuck Headlee, RWQCB
Marla Guensler, Exxon Company USA
P.O. Box 4032, Concord, CA 94524-4032



FN 22290002

EXPLANATION

MW6H — Groundwater Monitoring Well

8.91 — Groundwater elevation in feet above mean sea level

i = Interpreted Groundwater Gradient

RW3A — Recovery Well

VW3 — Vapor/Vadose Well

ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

EXXON SERVICE STATION 7-0235
2225 Telegraph Avenue
Oakland, California

PROJECT NO. 2229

PLATE 2

May 7, 1999

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

May 4, 1999

STID 1039

Ms. Marla Guensler
Exxon Company, U.S.A.
P.O. Box 4032
Concord, CA 94524-4032

RE: Exxon Service Station 7-0235, 2225 Telegraph Avenue, Oakland

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Ms. Guensler:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

1) consider a cleanup proposal (corrective action plan)

2) consider a site closure proposal

3) make a determination that no further action is required

4) issue a closure letter

You may use the enclosed "notice of proposed action" form (sample letter 3) as a template to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Please call me at (510) 567-6783 should you have any questions about the content of this letter.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB
Leroy Griffin, Oakland Fire Department

SAMPLE LETTER (2): LIST OF LANDOWNERS FORM

Name of local agency
Street address
City

SUBJECT: CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR (*Site Name and Address*)

(Note: Fill out item 1 if there are multiple site landowners. If you are the sole site landowner, skip item 1 and fill out item 2.)

1. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, *(name of primary responsible party)*, certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

2. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, *(name of primary responsible party)*, certify that I am the sole landowner for the above site.

Sincerely,

Signature of primary responsible party

Name of primary responsible party

SAMPLE LETTER 3: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY

Name of local agency
Street address
City

SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY FOR *(Site Name and Address)*

In accordance with section 25297,15(a) of Chapter 6.7 of the Health & Safety Code, I, (*name of primary responsible party)*, certify that I have notified all responsible landowners of the enclosed proposed action. Check space for applicable proposed action(s):

___ cleanup proposal (corrective action plan)

___ site closure proposal

___ local agency intention to make a determination that no further action is required

___ local agency intention to issue a closure letter

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners

ENVIRONMENTAL RESOLUTIONS, INC.

October 23, 1998
ERI 222901.E02

Mr. Scott Seery
Hazardous Materials Specialist
Alameda County Health Care Services-
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: Response to Item #5 of the Alameda County Health Care Services letter dated June 1, 1998.
Exxon Station #7-0235, 2225 Telegraph Avenue, Oakland, California.

County Site Reference # STID 1039

Mr. Seery:

At the request of Exxon Company, U.S.A. (Exxon), Environmental Resolutions, Inc. (ERI) is performing environmental activities at the subject site. This letter has been prepared to respond to item #5 of the Alameda County Health Care Services (the County) letter dated June 1, 1998. Specifically item #5 requested the following: "Submit a summary documenting operation of the ground water and soil vapor treatment systems, including cumulative hydrocarbons removed, total fluids throughput, and operational periods, among other data".

Exxon acquired environmental responsibility for this site, including the remediation system, as part of a property case transfer from Texaco Marketing and Refining (Texaco) Inc. in February 1998. The remediation system has been non-operational since Exxon has acquired this site. Upon transfer of the case and ERI's review of Texaco's files, performance data regarding the soil vapor and/or ground water treatment system could not be located. Therefore, a summary report documenting operation of the ground water and soil vapor treatment systems, including cumulative hydrocarbons removed, total fluids and operational periods or data as requested cannot be provided.

If you have any questions please call (415) 382-5991.

Sincerely,
Environmental Resolutions Inc.

Mark Dockum R.G., C.E.G.
Senior Project Manager

cc: Ms. Marla D. Guensler, Exxon Company, U.S.A.

MEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

June 1, 1998

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

STID 1039

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 2

To Mark Briggs	From S. Seery
Co. ERI	Co. ACDEH
Dept.	Phone #
Fax # 415/382-1856	Fax #

Ms. Marla Guensler
Exxon Company, U.S.A.
P.O. Box 4032
Concord, CA 94524-4032

RE: EXXON STATION #7-0235, 2225 TELEGRAPH AVENUE, OAKLAND

Dear Ms. Guensler:

This letter follows my recent review of this case, and my site visit and telephone message to you last week. I understand that Exxon, by virtue of agreement between Texaco and itself, is now the lead responsible party for this project.

Please adhere to the following changes in the sampling program and submit the following data:

1) Reinstate sampling and monitoring of (former) recovery well RW-2. This well is to be sampled/monitored during the next scheduled event, and quarterly thereafter at this time.

2) Well MW-6I shall be sampled/monitored semiannually (1st and 3rd quarters).

3) Sampling of wells MW-6F, and MW-6G may be discontinued.

4) All remaining monitoring wells shall be sampled/monitored following the current schedule. Recovery well RW-1 need not be sampled/monitored at this time.

5) Submit a summary documenting operation of the ground water and soil vapor treatment systems, including cumulative hydrocarbons removed, total fluids throughput, and operational periods, among other data.

Please submit the requested information when made available to Exxon, and adhere to the modified sampling/monitoring schedule at this time.

Please call me at 510/567-6783 should you have any questions or comments about these requests.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health
Chuck Headlee, RWQCB
Leroy Griffin, Oakland Fire Department
Karen Petryna, Texaco Refining and marketing, Inc.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

June 1, 1998

STID 1039

Ms. Marla Guensler
Exxon Company, U.S.A.
P.O. Box 4032
Concord, CA 94524-4032

RE: EXXON STATION #7-0235, 2225 TELEGRAPH AVENUE, OAKLAND

Dear Ms. Guensler:

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2) Well MW-6I shall be sampled/monitored semiannually (1st and 3rd quarters).

3) **Sampling of wells MW-6F, and MW-6G may be discontinued.**

4) All remaining monitoring wells shall be sampled/monitored following the current schedule. **Recovery well RW-1 need not be sampled/monitored at this time.**

5) Submit a summary documenting operation of the ground water and soil vapor treatment systems, including cumulative hydrocarbons removed, total fluids throughput, and operational periods, among other data.

Please submit the requested information when made available to Exxon, and adhere to the modified sampling/monitoring schedule at this time.

Please call me at 510/567-6783 should you have any questions or comments about these requests.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health
Chuck Headlee, RWQCB
Leroy Griffin, Oakland Fire Department
Karen Petryna, Texaco Refining and marketing, Inc.

STID1039

ENVIRONMENTAL PROTECTION

98 JUN -5 PM 3:41

EXXON COMPANY, U.S.A.

P.O. BOX 4032 • CONCORD, CA 94524-4032
MARKETING DEPARTMENT • ENVIRONMENTAL ENGINEERING

MARLA D. GUENSLER
SENIOR ENGINEER

(925) 246-8776
(925) 246-8798 FAX

May 29, 1998

Ms. Pamela Evans
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: Exxon RAS #7-0235/2225 Telegraph Avenue, Oakland, California.

Dear Ms. Evans:

Attached for your review and comment is a letter report entitled ***Quarterly Groundwater Monitoring Report, Second Quarter 1998,*** dated May 22, 1998, for the above referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details the results of the quarterly groundwater monitoring activities at the subject site.

If you have any questions or comments, please contact me at (925) 246-8776.

Sincerely,

Marla D. Guensler
Senior Engineer

MDG/tjm

Attachment: ERI's Quarterly Groundwater Monitoring Report, Second Quarter 1998, dated May 22, 1998

cc: w/attachment
Mr. Stephen Hill - California Regional Water Quality Control Board, San Francisco Bay Region

w/o attachment
Mr. Marc A. Briggs - ERI

P. O. Box 4032
Concord, CA 94524-4032
Phone: 510-246-8776
Fax: 510-246-8798

Exxon Company, U. S. A.

Fax

To:	Mr. Tom Peacock	**From:**	Maria D. Guensler
Fax:	9,337-9335	**Date:**	March 11, 1998
Phone:		**Pages:**	3
Re:	Exxon/Texaco Environmental Case Transfers	**CC:**	

☐ **Urgent** ☑ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

•Comments: The following letters will also be forwarded via certified mail.

EXXON COMPANY, U.S.A.
MARKETING • FUEL PRODUCTS
BUSINESS SERVICES • ENVIRONMENTAL ENGINEERING
P. O. Box 4032 • Concord, California 94524-4032

Marla D. Guensler
Senior Engineer

(510) 246-8776
(510) 246-8798 Facsimile

March 11, 1998

VIA FACSIMILE
ORIGINAL VIA CERTIFIED MAIL

Ms. Pam Evans
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Dear Ms. Evans:

Subject: Exxon RAS #7-0235/Former Texaco Station, 2225 Telegraph, Oakland, CA

This letter is to inform you that Exxon Company, U.S.A. (Exxon), and Texaco Refining and Marketing, Inc. (Texaco) have entered into an agreement effective February 1, 1998 regarding the environmental case at the subject site. [redacted] Please forward all future correspondence to Exxon at the following address:

Exxon Company, U.S.A.
Attn: Ms. Marla D. Guensler
P. O. Box 4032
Concord, CA 94524-4032

For overnight packages, please send to:
2300 Clayton Road, Suite 640
Concord, CA 94520

Exxon's environmental consultant will be Environmental Resolutions, Inc. (ERI) of Novato, California. ERI's contact is Ms. Tracy Faulkner, who can be reached at (415) 382-9105.

As a result of the case transfer to Exxon, the ownership of all ground water wells on the site will transfer to Exxon. In addition, any existing permits, encroachment, discharge, or other, will be transferred in the near future.

A meeting may be appropriate to discuss the case history, and to address any concerns that your office or Exxon may have. If you have any questions, please contact me at (510) 246-8776.

Sincerely,

Marla D. Guensler
Senior Engineer

MDG/mg

cc: Ms. Tracy Faulkner - ERI
Mr. L. W. Lindeen
Mr. R. R. Palmer
Ms. Deborah Pryor
Mr. Eddy So - San Francisco Bay RWQCB

EXXON COMPANY, U.S.A.
MARKETING • FUEL PRODUCTS
BUSINESS SERVICES • ENVIRONMENTAL ENGINEERING
P. O. Box 4032 • Concord, California 94524-4032

Marla D. Guensler
Senior Engineer

(510) 246-8776
(510) 246-8798 Facsimile

March 11, 1998

VIA FACSIMILE
ORIGINAL VIA CERTIFIED MAIL

Mr. Tom Peacock
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Dear Mr. Peacock:

Subject: Exxon RAS #7-023B/Former Texaco Station, 2200 East 12th St., Oakland, CA

This letter is to inform you that Exxon Company, U.S.A. (Exxon), and Texaco Refining and Marketing, Inc. (Texaco) have entered into an agreement effective February 1, 1998 regarding the environmental case at the subject site. Exxon will be the lead responsible party for the case at this site from this point forward. Please forward all future correspondence to Exxon at the following address:

Exxon Company, U.S.A.
Attn: Ms. Marla D. Guensler
P. O. Box 4032
Concord, CA 94524-4032

For overnight packages, please send to:
2300 Clayton Road, Suite 640
Concord, CA 94520

Exxon's environmental consultant will be Environmental Resolutions, Inc. (ERI) of Novato, California. ERI's contact is Ms. Tracy Faulkner, who can be reached at (415) 382-9105.

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A meeting may be appropriate to discuss the case history, and to address any concerns that your office or Exxon may have. If you have any questions, please contact me at (510) 246-8776.

Sincerely,

Marla D. Guensler
Senior Engineer

MDG/mg

cc: Ms. Tracy Faulkner - ERI
Mr. L. W. Lindeen
Mr. R. R. Palmer
Ms. Deborah Pryor
Mr. Eddy So - San Francisco Bay RWQCB

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

StID 1039

November 18, 1997

Ms. Leslie Thomas
Exxon Co-Marketing Dept
P.O. Box 4032
Concord, CA 94524-4032

Re: CLOSURE OF UNDERGROUND STORAGE TANK

Dear Ms. Thomas:

Thank you for the analytical report concerning the removal of a 1,000 gallon waste oil underground storage tank at **2225 Telegraph Ave, Oakland, CA** on September 22, 1997. That report has been reviewed and it is our opinion that this tank has been closed in compliance with Title 23 of the California Code of Regulations.

Based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank is required.

If you have any further questions concerning this matter, please contact me at (510) 567-6700.

Sincerely,

eva chu
Hazardous Materials Specialist

c: Leroy Griffin, Oakland Fire Dept

exxon1.1

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II,III

181.2 - 190.7

Site ID # 1039 Site Name Exxon 7-0235 Today's Date 9/22/97

Site Address 2225 Telegraph

City Oakland Zip 94612 Phone

___ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

0% LEL
7.6% O2

Inspection Categories:

___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
X III. Underground Tanks Removal

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other ___

___	7. Precis Tank Test Date: ___	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing	2646
___	10. Ground Water	2647

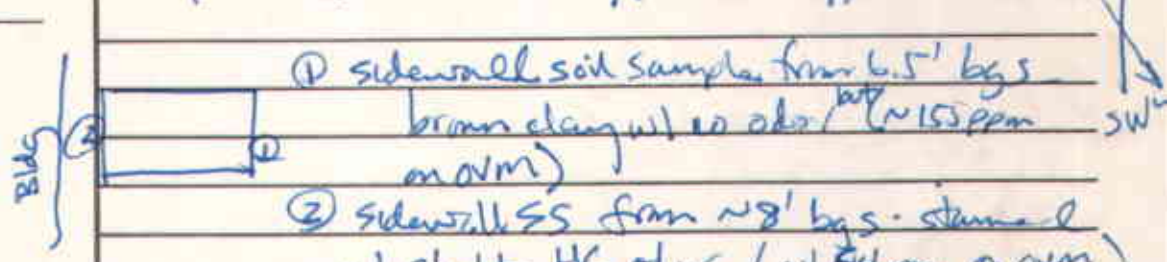
New Tanks

___	11. Monitor Plan	2632
___	12. Access, Secure	2634
___	13. Plans Submit Date: ___	2711
___	14. As Built Date: ___	2635

Rev 6/88

Comments:

1000 g. double wall F/G bST for waste oil
Tank in good condition - almost new.
Groundwater encountered at ~ 9' bgs - wet soil w/ mod HC odor (clay) - ~ 172 ppm on OVM



P sidewall soil sample from 6.5' bgs - brown clay w/ no odor (~ 155 ppm on OVM)
2 sidewalls from ~8' bgs - stained w/ slight HC odor. (w/ 54 ppm on OVM)

No GW sample taken - but downgradient well should be analyzed for W.O. constituents next sampling event.
Analyze soil samples for TPH, TPHd, BTEX, MTBE, TOG, Cl-HCs, & SVOCs and Cd, Cr, Pb, Ni, Zn.
→ if we get high reading of TOG (>5,000 ppm)

II, III

Contact: ___

Title: ___ Inspector: Rob Chu

Signature: ___ Signature: ___

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

September 11, 1997
STID 1039

Karen Petryna
Texaco Refining and Marketing Inc.
108 Cutting Blvd.
Richmond, CA 94804

Dear Karen Petryna:

This office has received and reviewed a Env - Studies, Surveys & Reports dated January 27, 1997 (your office), May 26, 1997, and August 4, 1997 by Blaine Tech Services. The following comments concern these reports:

1. There are o conclusions or recommendations in these reports, only analytical data.

2. It seems that the greatest concentration of contaminants are around MW-6h, which is actually downgradient of the extraction well. Is this contamination being captured.

3. Have you thought of using ORC (oxygen releasing compound) in the wells with significant contamination remaining?

This case will be transferred to Pam Evans of this office. You may contact her at (510) 567-6770 if you have any questions regarding this letter.

Sincerely,

Thomas Peacock, Manager

c: Michael Faber, Exxon Company, USA, 2300 Clayton Rd., Suite 1250, Concord, CA 94524-2032
Gordon Coleman - Files

2M²
A Diversified Engineering Company

ENVIRONMENTAL PROTECTION
97 JUN 18 AM 8:57

June 17, 1997

Kevin Tinsley
Alameda County Health Care Services Agency
Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

RE: Exxon SS# 7-0235
2225 Telegraph Avenue
Oakland, CA 94612

Dear Kevin:

Per your request, we are re-submitting the underground tank closure plan for the above referenced site.

I have delivered the Health & Safety plan to your office on June 11, 1997. The original submittal fee of $630.00 was paid by 2M² Engineering check, number 2631 on May 20, 1997. Attached is a copy of the receipt for payment from our original submittal.

Please let me know if you need any other information. We are trying to complete this project as soon as possible, and would appreciate any help you can give in expediting the application process.

Sincerely,

Tim Ogles
Project Manager

TO/cb

encl.

1401 Halyard Dr., Suite 120 • West Sacramento, CA 95691 • **Phone: (916) 446-2450** • FAX: (916) 371-9202

REF./ A/C NO. R

COUNTY OF ALAMEDA
OFFICE OF THE AUDITOR-CONTROLLER

DATE: 5/20/97

ENV. HEALTH PERMIT - 97-592

NO 195648

MISCELLANEOUS RECEIPT

Six hundred thirty dollars 0 2/4 | $ 630.00 DOLLARS

RECEIVED FROM: 2M 1401 Ballyard Dr. W. Sacramento 95691

FOR: Exxon Service Station #7-0235
3225 Telegraph Ave. Oak 94612

RECEIVED BY: Karen Gray | DEPT NO.: 430-4530

☐ CASH ☒ PERSONAL/CASHIER'S CHECK/M. O. # 263 ☐ OTHER:

110-1 (Rev 10/85) [0134E (08)] 3-Part Distribution: White - Payor Yellow & Pink - Depart.

Attn: Kevin Tinsley

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD

Consumer Affairs

Building Quality

HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.

Qualifier: CARL JOSEPH MILLS

foreman

License No.: 728144

Business Name: THE TYREE ORGANIZATION LTD

WITNESS *my hand and official seal this* *day of* OCTOBER 1, 1996

Registrar of Contractors

13L-36 (4/96)

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A- 7088

```
 .9.   Piping Monitoring Frequency
 10.   Piping Monitoring Alarm                          ** These values must
 11.   Pump Shutdown?                                          come from
 12.   Piping Precision Test (freq)                      a VALID FORM B.
 13. Overfill (device)                                  (See previous page)
 14. Spill Container/Size (galls)
 15. Tank Corrosion Protection    **                                -06/26/97-
     Cathodic: Impress. or Sacrif.              ->ExpDt:            (Page 4 of 4)
[ESC] Done    [F2] Clear field    [Shift-F2] Clear to end    [Shift-F10] More
Form: UGTLook    Table: TInfo      Field: TLDReqd    Page: 4
```

```
UGT TANK INFORMATION - OPERATING PERMIT FIELDS     Pages 1&2-Fac., 3&4-Tanks
                                                   <F7>-<F8> for next
StID: 1039    Exxon R/S #7-0235
State Fac#: 16114     TOTAL # Tanks:4

            FOR TANK SYSTEM # 1-B        **
 1. State UST ID:                  01-000-16114 -1
 2. Capacity (gallons)            **10000
 3. Hazardous Substance Stored    **RegUnld     - put translation here.
 4. TANK's Monitoring Method      **1,2,6,7       permit=>
 5.   Tank Monitoring Frequency:
 6.   Tank Monitoring Alarm?
 7.   Tank Integrity Test (freq)
 8. PIPING's Monitoring Method    **              permit=>
 9.   Piping Monitoring Frequency
 10.  Piping Monitoring Alarm                     ** These values must
 11.  Pump Shutdown?                                      come from
 12.  Piping Precision Test (freq)                  a VALID FORM B.
 13. Overfill (device)                              (See previous page)
 14. Spill Container/Size (galls)
 15. Tank Corrosion Protection    **                                -06/26/97-
     Cathodic: Impress. or Sacrif.              ->ExpDt:            (Page 4 of 4)
[ESC] Done    [F2] Clear field    [Shift-F2] Clear to end    [Shift-F10] More
Form: UGTLook    Table: TInfo      Field: TLDReqd    Page: 4
```

ALAMEDA COUNTY ENVIRONMENTAL HEALTH - HAZARDOUS MATERIALS PROGRAM
INFORMATION PER SITE ON ALL DEPOSITS FROM ALL PAYORS

as of 05/27/97

DATABASE: DEPREF

SITE INFORMATION from DepRef DB

Exxon Company U. S. A.
2225 Telegraph Ave
Oakland CA 94612

StID: 1039 Site#: 928
Site Complete?

ALL PAYORS ON SITE

> **Project# 928A** for Payor# 76 — Robert H. Lee & Assoc.
900 Larkspur Landing Cir#125
Larkspur CA 94939

> **Project# 928C** for Payor# 338 — Able Maintenance Inc.
51 Foley St.
Santa Rosa CA 95401

> **Project# 928A** for Payor# 346 — Texaco Refining & Marketi

Universal City CA 91608

> **Project# 928D** for Payor# 1042 — 2 M
1401 Halyard Dr Ste 120
W Sacramento CA 95691

DR:WkShtPay

DEPOSIT INFORMATION

Project#	Rcpt#	DepDate	DepAmount	Proj Type	Deposit Complete	Insp Init	Collect Fees?
928A	<-------						
	568828	04/09/90	$831.00	M	03/11/97	CL	
	612054	08/30/91	$2,148.00	R,I	05/04/92	CL	
	612054	08/30/91		T	05/04/92	CL	
	Total Deposit for Project:		$2,979.00				
928C	<-------						
	767307	10/04/95	$603.00	I	03/11/97	CL	
	Total Deposit for Project:		$603.00				
928D	<-------						
	795648	05/20/97	$630.00	R		TP	
	Total Deposit for Project:		$630.00				
	Total Deps for all Sites :		**$4,212.00**				

Report WkShtDep Complete; 3/97

LAST WORK DATE FROM BILLING ON THIS SITE:

REF./
A/C NO. I

COUNTY OF ALAMEDA
OFFICE OF THE AUDITOR-CONTROLLER

DATE: 10 / 04 / 95

MISCELLANEOUS RECEIPT

№ 767307

$ 603.00 DOLLARS

RECEIVED FROM: Able Maintenance Inc. Gen Contractor / 56 Foley St. Santa Rosa CA 954

FOR: Site / 2225 Telegraph & Oakland / Oakland
Owner Robert R Fischer

RECEIVED BY: Josephine Harris

☐ CASH ☑ PERSONAL/CASHIER'S CHECK/M. O. # 27532 ☐ OTHER:

DEPT. NO.: 430-4510

110-1 (Rev 10/85) [0134E (08)] 3-Part

Distribution: White - Payor Yellow & Pink - Depart.

2M²
A Diversified Engineering Company

May 19, 1997

To Who It May Concern:

Exxon Company, USA would like to modify the waste oil storage system at their service station located at 2225 Telegraph Avenue, Oakland, CA. The scope of work includes removing the existing underground waste oil tank and installing a new 250 gallon above ground waste oil tank outside, adjacent to the building.

Along with this application, I have attached specification and cut sheets for all these components. Hopefully, I have provided adequate information for your review to issue permits for this scope of work. I there is any information missing please give me a call as soon as possible so I may forward any missing information to you.

Sincerely,

Tim Ogles
Project Manager

1401 Halyard Dr., Suite 120 • West Sacramento, CA 95691 • **Phone: (916) 446-2450** • FAX: (916) 371-9202

Project Specialist

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700
FAX # 510/337-9335

Copy 1. Workmans Comp ✓
2. Haz. Mat Cert.
3. Employees on site
4. Training cert empl
5. Safety plan ✓
6. Waste hauler for Sludge etc ✓
7. A and B forms ✓

ACCEPTED
Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Removal of Tank(s) and Piping
Sampling
Final Inspection

Issuance of a) permit to operate, b) permanent closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Contact Specialist

EXTRA COPY

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Name of Business EXXON SERVICE STATION #7-0235
   Business Owner or Contact Person (PRINT) LAM TRUONG
2. Site Address 2225 TELEGRAPH AVE.
   City OAKLAND Zip 94612 Phone 510-832-4000
3. Mailing Address 2300 CLAYTON RD. #1250
   City CONCORD Zip 94520 Phone 510-246-8733
4. Property Owner EXXON CO. USA
   Business Name (if applicable) ________
   Address SAME AS MAILING
   City, State ________ Zip ________
5. Generator name under which tank will be manifested
   EXXON CO., USA
   EPA ID# under which tank will be manifested CAL000028841

rev 4/6/95

Project Specialist

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700
FAX # 510/337-9335

ACCEPTED
Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.

One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this this Department and to the Fire Prevention Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections:

_____ Removal of Tank(s) and Piping
_____ Sampling
_____ Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

"THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS"

Contact Specialist:

All workers must be haz. subst. Removal certified.

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Name of Business EXXON SERVICE STATION # 7-0235

   Business Owner or Contact Person (PRINT) LAM TRUONG

2. Site Address 2225 TELEGRAPH AVE.

   City OAKLAND Zip 94612 Phone 510-832-4000

3. Mailing Address 2300 CLAYTON RD. #1250

   City CONCORD Zip 94520 Phone 510-246-8733

4. Property Owner EXXON CO. USA Leslie Thomas

   Business Name (if applicable) 510/ 246-8708

   Address SAME AS MAILING

   City, State _____ Zip _____

5. Generator name under which tank will be manifested

   EXXON CO., USA

   EPA ID# under which tank will be manifested C A L 0 0 0 0 2 8 8 4 1

6. Contractor THREE ORGANIZATION (Henderson Construction Dean)

Address 15939 PIUMA AVE

City CERRITOS, CA (San Joaquin Co.) Phone 562-468-0051

License Type* A B HAZ 72876 ID# 728144

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board.

7. Consultant (if applicable) ERI

Address 74 DIGITAL DR.

City, State NOVATO, CA Phone 415-382-9105

8. Main Contact Person for Investigation (if applicable)

Name MARK BRIGGS Title

Company ERT

Phone 415 382 9105

9. Number of underground tanks being closed with this plan 1

Length of piping being removed under this plan N/A

Total number of underground tanks at this facility (**confirmed with owner or operator) 4

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground storage tanks must be handled as hazardous waste **

a) Product/Residual Sludge/Rinsate Transporter

Name Crosby & Overton EPA I.D. No. CAD982524480

Hauler License No. 0025 License Exp. Date 9/97

Address 8430 Amelia

City Oakland State CA Zip

b) Product/Residual Sludge/Rinsate Disposal Site

Name Romic EPA ID# CAD009452657

Address 2081 Bay Rd.

City E. Palo Alto State CA Zip

c) Tank and Piping Transporter

Name ERIKSON EPA I.D. No. CAD009466392

Hauler License No. 0019 License Exp. Date _____

Address 255 PARR BLVD.

City RICHMOND State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson EPA I.D. No. CAD009466392

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

11. Sample Collector

Name MARK BRIGGS

Company ERI

Address 74 DIGITAL DR.

City NOVATO State CA Zip 94949 Phone 415-382-9105

12. Laboratory

Name SEQUOIA ANALYTICAL

Address 680 CHESAPEAKE DR.

City REDWOOD CITY State CA Zip 94063

State Certification No. 1210

13. Have tanks or pipes leaked in the past? Yes[ ] No[ ] Unknown[✓]

If yes, describe. _____

14. Describe methods to be used for rendering tank(s) inert:

DRY ICE ≥ 150 lbs

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

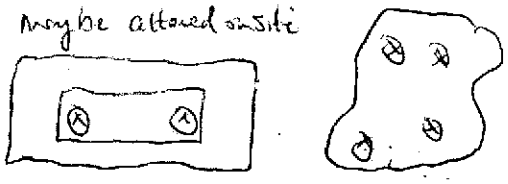
The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. **It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert.**

15. Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
1,000 GAL	WASTE OIL (IN USE) INSTALLED 1991	SOIL, GROUNDWATER	DETERMINED IN FIELD AT TIME OF REMOVAL

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil

Stockpiled Soil Volume (estimated)	Sampling Plan
8 YARDS	 2 samples ≃ 4 pt. composite

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [ ] yes [ ] no [✓] unknown

If yes, explain reasoning _____

If unknown at this point in time, please be aware that **excavated soil may not be returned to the excavation without prior approval from Alameda County. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling operations.**

16. Chemical methods and associated detection limits to be used for analyzing samples:
The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed.
See attached Table 2.

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
TPH G	5030		1.0 ppm
TPH D	3550		1.0 ppm
TPH & BTX&E	8260		.005 ppm
O&G	5520 D&F		50 ppm
BTX&E	8020		.005 ppm

18. Submit Worker's Compensation Certificate copy

Name of Insurer AGN RISK SERVICES

19. Submit Plot Plan ***(See Instructions)***

20. Enclose Deposit (See Instructions)

21. **Report any leaks or contamination to this office within 5 days of discovery.**
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. **Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.**

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business THE TYREE ORG.

Name of Individual FRANK KRAMER

Signature TIM OGLES FOR FRANK KRAMER Date 5/19/97

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business EXXON CO., USA

Name of Individual BARBARA FAIRCLOTH

Signature TIM OGLES FOR BARBARA FAIRCLOTH Date 5/19/97

General Instructions

* Three (3) copies of this plan plus attachments and a deposit must be submitted to this Department.
* Any cutting into tanks requires local fire department approval.
* One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.
* State of California Permit Application Forms A and B are to be submitted to this office. One Form A per site, one Form B for each removed tank.

Line Item Specific Instructions

2. SITE ADDRESS
Address at which closure is taking place.

5. EPA I.D. NO. under which the tanks will be manifested
EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781.

6. CONTRACTOR
Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.

c) Tanks must be hauled as hazardous waste.

d) This is the place where tanks will be taken for cleaning.

15. TANK HISTORY AND SAMPLING INFORMATION
Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS
See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN
A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

a) The name and responsibilities of the site health and safety officer;

b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;

c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;

d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;

e) Description of the work habit changes triggered by the above action levels or physical conditions;

f) Frequency and types of air and personnel monitoring - along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;

g) Confined space entry procedures (if applicable);

h) Decontamination procedures;

i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);

j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;

k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and

l) A page for employees to sign acknowledging that they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN
The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

a) Scale;

b) North Arrow;

c) Property Lines;

d) Location of all Structures;

e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;

f) Streets;

g) Underground conduits, sewers, water lines, utilities;

h) Existing wells (drinking, monitoring, etc.);

i) Depth to ground water; and

j) All existing tank(s) and piping in addition to the tank(s) being removed.

20. DEPOSIT
A deposit, payable to "County of Alameda" for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from this office or from the San Francisco Bay Regional Water Quality Control Board (510/286-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT
The tank closure report should contain the following information:

a) General description of the closure activities;

b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;

d) Detailed description of sampling methods; i.e. backhoe bucket, drive sampler, bailer, bottle(s), sleeves

e) Description of any remedial measures conducted at the time of tank removal;

f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;

g) Chain of custody records;

h) Copies of signed laboratory reports;

i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and

j) Documentation of the disposal of/and volume and final destination of all non-manifested contaminated soil disposed offsite.

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS	WATER ANALYSIS
Unknown Fuel	TPH G GCFID(5030) TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA ------Optional------- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240 ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB* PCP* PNA CREOSOTE	TPH G GCFID(5030) TPH D GCFID(3510 O & G 5520 B & F BTX&E 602, 624 or 8260 CL HC 601 or 624 PCB PCP PNA CREOSOTE

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.

2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.

3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.

4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.

5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydro- carbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.

6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).

7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).

8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.

9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

	SOIL PPM	WATER PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

10. LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.

11. IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

    The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chroma- togram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

12. REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

ALAMEDA COUNTY ENVIRONMENTAL PROTECTION DIVISION

DECLARATION OF SITE ACCOUNT REFUND RECIPIENT

There may be excess funds remaining in the Site Account at the completion of this project. The PAYOR (person or company that issues the check) will use this form to predesignate another party to receive any funds refunded at the completion of this project. In the absence of this form, the PAYOR will receive the refund.

SITE INFORMATION:

Site ID Number
(if known)

Name of Site

Street Address

City, State & Zip Code

I designate the following person or business to receive any refund due at the completion of all deposit/refund projects:

Name

Street Address

City, State & Zip Code

Signature of Payor

Date

Name of Payor
(PLEASE PRINT CLEARLY)

Company Name of Payor

RETURN FORM TO:

County of Alameda, Environmental Protection
1131 Harbor Bay Parkway, Rm 250
Alameda CA 94502-6577
Phone#(510) 567-6700

rev.4/6/95;closure.pln\RW

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY) 4/04/97

PRODUCER
AON Risk Services, Inc. of NY
333 Earle Ovington Blvd.
PO Box 9338
Uniondale, NY 11553
516-794-7000

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.

COMPANIES AFFORDING COVERAGE

COMPANY A: Commerce & Industry Ins. Co.

INSURED
The Tyree Organization, Ltd.
15939 Piuma Avenue
Cerritos, CA 90703

COMPANY B: National Union Fire Ins. Co.

COMPANY C:

COMPANY D:

COVERAGES

THIS IS TO CERTIFY THAT 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. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
	GENERAL LIABILITY				GENERAL AGGREGATE	$ 2,000,000
A	[X] COMMERCIAL GENERAL LIABILITY	GL3407880	3/31/97	3/31/98	PRODUCTS - COMP/OP AGG	$ 1,000,000
	[ ] CLAIMS MADE [X] OCCUR				PERSONAL & ADV INJURY	$ 1,000,000
	[ ] OWNER'S & CONTRACTOR'S PROT				EACH OCCURRENCE	$ 1,000,000
	[X] Aggregate per project				FIRE DAMAGE (Any one fire)	$ 50,000
					MED EXP (Any one person)	$ 5,000
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT	$ 1,000,000
A	[X] ANY AUTO	CA2772017	3/31/97	3/31/98	BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS				BODILY INJURY (Per accident)	$
	[ ] SCHEDULED AUTOS				PROPERTY DAMAGE	$
	[ ] HIRED AUTOS					
	[ ] NON-OWNED AUTOS					
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	$
	[ ] ANY AUTO				OTHER THAN AUTO ONLY:	
					EACH ACCIDENT	$
					AGGREGATE	$
	EXCESS LIABILITY				EACH OCCURRENCE	$ 10,000,000
A	[X] UMBRELLA FORM	BE6061544	3/31/97	3/31/98	AGGREGATE	$ 10,000,000
	[ ] OTHER THAN UMBRELLA FORM					$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				WC STATUTORY LIMITS / OTHER	
B	THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE: [ ] INCL [ ] EXCL	WC8283285	3/31/97	3/31/98	EL EACH ACCIDENT	$ 1,000,000
					EL DISEASE - POLICY LIMIT	$ 1,000,000
					EL DISEASE - EA EMPLOYEE	$ 1,000,000
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Job: San Francisco Bay Area. Exxon Co. USA is Additional Insured on General Liability and Umbrella policies for this job only.

CERTIFICATE HOLDER

2M Squared
1401 Halyard Drive, Suite 120
W. Sacramento, CA 95691

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT. BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE Frank D'Amico

190355000

Submitted for Waste oil tank Removal 6/25/97

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☑ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
EXXON SERVICE STATION #7-0235	LAM TRUONG	
ADDRESS	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
2225 TELEGRAPH AVE.	GRAND AVE.	
CITY NAME	STATE / ZIP CODE	SITE PHONE # WITH AREA CODE
OAKLAND	CA 94612	510-832-4000

✓ BOX TO INDICATE: ☑ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS: ☑ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☐ 5 OTHER

☐ ✓ IF INDIAN RESERVATION OR TRUST LANDS | # OF TANKS AT SITE: 3 | E. P. A. I. D. # (optional)

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
BARBARA FAIRCLOTH	510-246-8733		
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
SAME			

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
EXXON CO. USA	BARBARA FAIRCLOTH		
MAILING OR STREET ADDRESS	✓ box to indicate: ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY		
2300 CLAYTON RD. #1250	☑ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
CONCORD	CA	94520	510-246-8733

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
SAME AS II			
MAILING OR STREET ADDRESS	✓ box to indicate: ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY		
	☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.

TY (TK) HQ 44-000285

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

✓ box to indicate: ☑ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☑ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
TIM OGLES	PROJECT MANAGER 2M² ENGINEERING	5/19/97

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

Removal of 1 of 4 tanks

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: EXXON SERVICE STATION #7-0235

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # UNKNOWN	B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR) 1991	D. TANK CAPACITY IN GALLONS: 1,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☑ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☑ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 1c MIDGRADE UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 8 M85 ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☑ 1 DOUBLE WALL ☐ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SINGLE WALL IN A VAULT ☐ 5 INTERNAL BLADDER SYSTEM ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☑ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING OR COATING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☑ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☑ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) 1991 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) ___
DROP TUBE YES ___ NO ☑ STRIKER PLATE YES ☑ NO ___ DISPENSER CONTAINMENT YES ___ NO ___

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 4 FLEXIBLE PIPING	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER	
D. LEAK DETECTION	☐ 1 MECHANICAL LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 CONTINUOUS INTERSTITIAL MONITORING	☐ 4 ELECTRONIC LINE LEAK DETECTOR	☐ 5 AUTOMATIC PUMP SHUTDOWN ☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 MANUAL INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 ANNUAL TANK TESTING ☑ 7 CONTINUOUS INTERSTITIAL MONITORING ☐ 8 SIR ☐ 9 WEEKLY MANUAL TANK GAUGING ☐ 10 MONTHLY TANK TESTING ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
UNKNOWN	UNK	

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE): TIM OGLES, AGENT FOR EXXON DATE: 5/19/97

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS

Section 2711 of Title 23, Division 3, Chapter 16, California Code of Regulations and sections 25286, 25287, and 25289 of Chapter 6.7, Division 20, Health and Safety Code require tank owners to apply for an UST operating permit.

1. One FORM "B" shall be completed for each tank for all NEW PERMITS, PERMIT CHANGES, REMOVALS and/or any other TANK INFORMATION CHANGE.
2. This form should be completed by either the PERMIT APPLICANT or the LOCAL AGENCY UNDERGROUND TANK INSPECTOR.
3. Please type or print clearly all requested information.
4. Use a hard point writing instrument, you are making 3 copies.
5. Tank owners must submit a plot plan to the local agency showing the location of the USTs with respect to buildings and landmarks [2711 (a)(6) CCR].
6. Tank owners must submit documentation showing compliance with state financial responsibility requirements to the local agency for petroleum USTs [2711 (a)(11) CCR].

TOP OF FORM: MARK ONLY ONE ITEM

1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

A. Indicate owners tank ID # - If there is a tank number that is used by the owner to identify the tank (ex. AB70769).
B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG).
C. Indicate the year the tank was installed (ex. 1987).
D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

A. 1. IF MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
B. Check the appropriate box.
C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

1. Circle "A" if above ground circle "U" if underground, and circle both if applicable.
2. If UNKNOWN circle; or if OTHER, print in space provided.
3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

1. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED - MONTH/YEAR (January, 1988 or 01/88)
2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
3. WAS TANK FILLED WITH INERT MATERIAL? Check "Yes" or "No".

TANK OWNER OR AUTHORIZED REPRESENTATIVE MUST SIGN AND DATE THE FORM AS INDICATED [see section 2711 (a)(13) CCR]

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916) 227-4303. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency, however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX. THE LOCAL AGENCY SHOULD RETAIN THE ORIGINAL AND YELLOW COPIES. THE PINK COPY SHOULD BE RETAINED BY THE TANK OWNER.

TP
LOP
BO - closed

Printed: 05/19/97

******* Alameda County Department of Environmental Health *******
BILLING's WORKLOG: Total Deposit/Refund History for All Accounts at Site

**** SITE INFORMATION ****

Site#: 928 -- StID: 1039 EXXON Telegraph Ave.
Date Open: 10/04/95 2225 Telegraph Ave.
Date Closed: Oakland CA 94612

**** PAYOR INFORMATION ****

> Project # ---928C for Payor # 338 Able Maintenance Inc.
51 Foley St.
Santa Rosa CA 95401

**** DEPOSIT HISTORY ****

Proj#	Deposit Date	Receipt#	Amount Received
---928C	10/04/95	767307	$ $603.00
			$ $603.00

**** WORKLOG HISTORY ****

Proj#	Work Date	Activity Description	Insp	Time (hrs)	Amt Charged
---928c	10/04/95	administrative charge	adm	1.	$90.00
---928c	10/04/95	approve modification	bo	1.25	$112.50
---928c	03/11/97	phone review		0.75	$67.50
---928c	03/11/97	phone review	bo	1.	$90.00
					$360.00

Balance: $243.00 Amount Refunded:

Listing of HAZMAT - FULL SITE HISTORY since 1987 for StID # 1039
as of 05/19/97 .... all Activity Codes

SITE NAME & ADDRESS:
Exxon # 7-0235 -- 2225 Telegraph Ave , Oakland CA 94612

Archived Dailies:

InspDat	Insp	Activi	Categ	InspT	StID	
01/30/87	TP	I	1	1.5	1039	
07/17/90	CC	30	1.	1039		L
09/05/91	MM	35	2.	1039		Reviewed files in preparation for UST inspection re: 5-year operating permit.
10/23/91	PS	75	1.	1039	928A	Remediation review.
11/07/91	PS	77	0.75	1039	928A	review 2225 Telegraph closure inst
11/14/91	PS	75	1.5	1039	928A	review 2225 Telegraph phone conv.
11/15/91	PS	77	0.25	1039	928A	phone conv w/ Greg DeMarzo 2225 Telegraph EXXON
11/20/91	PS	75	1.5	1039	928A	2225 telegraph
11/27/91	LS	42	5.	1039	928A	UGT removal
12/04/91	PS	77	25.	1039	928A	2225 telegraph
12/06/91	PS	77	3.	1039	928A	2225 telegraph pipe insp Exxon
12/18/91	PS	41	1.	1039	928A	sump and vent insp Exxon 2225 Telegraph, Oakland,
12/31/91	DB	75	2.	1039	928A	225 Fallon Street, 2681 Fruitvale Street Oakland.
01/02/92	PS	41	1.	1039	928A	2225 telegraph EXXON
03/31/92	DH	75	0.33	1039	928A	
04/01/92	DH	75	0.33	1039	928A	
04/22/92	EC	200	0.5	1039		notification letter
05/12/92	TP	215	0.5	1039		assign priority
05/27/92	JE	215	1.	1039		
05/27/92	TP	215	0.3	1039		assign priority
05/27/92	TP	215	0.3	1039		assign priority
05/28/92	JE	212	0.2	1039		spoke with Jeanna Hudson of HLA
05/28/92	JE	215	0.5	1039		
06/11/92	JE	215	0.2	1039		
07/14/92	JE	215	1.	1039		
10/06/92	LS	11	0.5	1039		Gen. inspection
10/07/92	LS	11	1.5	1039		Gen. insp. and billing complaint follow-up
03/25/93	LS	35	0.25	1039		
10/27/93	BO	54	1.	1039		meeting/reviewed HMBP with owner
02/01/94	BO	35	1.	1039		on phone with operator re ust permitting
02/03/94	PS	129	0.75	1039		Attempt to insp-manager unavailable
02/09/94	PS	120	2.	1039		

Current Dailies:

InspDat	Insp	Act	InspT	StID	DRPro	Comment	DailBDat
01/17/95	RO	35	1.	1039		UGT file review	
02/28/95	RO	35	1.	1039		UGT file review	
03/03/95	RO	93	1.	1039		UGT inspection--sumps not accessible	

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET printed10/11/95

SITE INFORMATION

Exxon Company U. S. A.
2225 Telegraph Ave
Oakland 94612
Site Contact:
Site Phone :

StID: 1039 Site#: 928
PROJECT#: 928C
PROJECT TYPE:*** I ***
INSP: Brian Oliva
ACCT. SHEET PG #: ____

PROPERTY OWNER INFORMATION

Owner Contact:
Owner Phone :

PAYOR INFORMATION

Able Maintenance Inc.
51 Foley St.
Santa Rosa CA 95401 #338
Payor Contact:
Payor Phone :

Date	Action Taken	Time In	Time Out	Hours Spent/ Depstd	Hour Balnce	Money Spent/ Depositd	Money Balance
	Rcpt# 767307						
10/04/95	Deposit of $603.00 @ $90/hour			+6.69	+6.69	$603.00	$603.00
10/04/95	Admin. Charge: 1 hour	.....	.....	1.00	5.69	$513.00	$513.00

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : BOLIVA ATTACH: __ State Forms A,B & C __ Billing Adjustment*

DATE OF COMPLETION : 3/11/97 DATE SENT TO BILLING: 3/11/97

TOTAL COST OF PROJECT: $360.00 REFUND AMOUNT: $243.00 Rev. 5/95

* Billing adjustment forms needed when site is in our UST program.

REPORT: WrkShtA (Admin)

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET printed10/04/95

SITE INFORMATION

Exxon Company U. S. A.
2225 Telegraph Ave
Oakland 94612
Site Contact:
Site Phone :

StID: 1039 Site#: 928
PROJECT#: ~~928C~~
PROJECT TYPE:*** I ***
INSP: Brian Oliva
ACCT. SHEET PG #: ____

PROPERTY OWNER INFORMATION

Owner Contact:
Owner Phone :

PAYOR INFORMATION

Able Maintenance Inc.
51 Foley St.
Santa Rosa CA 95401 #338
Payor Contact:
Payor Phone :

Date	Action Taken	Time In	Time Out	Hours Spent/ Depstd	Hour Balnce	Money Spent/ Depositd	Money Balance
	Rcpt# 767307						
10/04/95	Deposit of $603.00 @ $90/hour			+6.69	+6.69	$603.00	$603.00
10/04/95	Admin. Charge: 1 hour	.....	.....	1.00	5.69	$513.00	$513.00
10-4-95	Approved Modification	1.25			4.45		
3/11/97	phone / review	0.75			3.70		
3/11/97	"	1.0			2.70		
	closed						
	~ Project Completed ~						

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : Brian Oliva ATTACH: __ State Forms A,B & C __ Billing Adjustment*

DATE OF COMPLETION : 3/11/97 DATE SENT TO BILLING: 3-11-97

TOTAL COST OF PROJECT: 360 REFUND AMOUNT: 243.00 Rev. 5/9

* Billing adjustment forms needed when site is in our UST program.

REPORT: WrkShtA (Admin

03/29/95	RO	13	0.5	1039		Generator inspection	
03/29/95	RO	33	1.5	1039		UGT reinspection	
04/10/95	RO	33	1.	1039		UGT reinspection	
04/14/95	KT	31	2.	1039		final inspection	
04/19/95	KT	130	2.5	1039		issued permit contingent upon repairing thecei to read waste oil tank.	
08/22/95	BO	34	1.	1039		wrote letter on county policy on obtaining permits for modification of ust sites	
10/03/95	KT	35	1.5	1039		review file for SWQCB 2004 fund represent- ative for list placement.	
10/04/95	BO	45	2.	1039		primary line tests	
03/11/97	BO	41	1.75	1039	928C	closure of site	01/30/97

LEGEND FOR 'OLD' DAILY ENTRIES

Category: (Program)		Activity:
O - Office	I - regular Inspection	1 - Generators
L - Legal	F - Follow up inspection	2 - UG Tanks
P - Program	S - Spill / release	3 - Business Plans
T - Training	Q - reQuest / complaint	4 - Haz.Waste Hauler
A - Advice / consult.		5 - Emerg. Resp.
E - Environ. study		6 - Contam. Site
		7 - Public Lands
Valid for Dailies in 1987 --> 1989		8 - Residential

Complete

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

STID 1039

October 17, 1996

Ms. Karen E. Petryna
Texaco Refining and Marketing Inc.
108 Cutting Boulevard
Richmond, CA 94804

RE: 2225 TELEGRAPH AVENUE, OAKLAND CA 94607

Dear Ms. Petryna:

This office is in receipt of and has completed review of the case file for this site, up to and including the October 9, 1996 - Texaco "Groundwater Monitoring and Sampling Third Quarter, 1996", and your October 9, 1996 letter.

In your October 9, 1996 letter you requested that "In order to facilitate a Tier 2 analysis, we would like a copy of your assumptions (exposure pathways, receptor scenario, source media [soil and/or ground water])." This is an unusual request, since it is usually the risk assessor's job to evaluate all current and possible future uses of the property to determine what exposure pathways, receptor scenarios, etc. would need to be evaluated as part of the risk assessment.

However, as documented in the Texaco third quarter 1996 groundwater monitoring report, concentrations of benzene detected in downgradient well MW6H have decreased significantly since the second quarter 1996 groundwater sampling event. The reported level of 110ug/L for the groundwater sample collected from MW6H is not in exceedence of the CA-modified Tier 1 RBSL for the exposure pathway:

- "Groundwater-Vapor Intrusion from Groundwater to Buildings" at a target level of 1E-05 (214 ug/L - 1 in 100,000 excess cancer risk) for a commercial/industrial receptor scenario.

Please be advised that further RBCA Tier 2 evaluation <u>may</u> be required for this site. This office will review the fourth quarter 1996 groundwater monitoring and sampling report to determine whether a Tier 2 evaluation will be required for this site. For your information, benzene concentrations exceeding 214 ug/l, in any of the on-site or off-site monitoring wells, would be the basis for requiring a Tier 2 evaluation.

Finally, Alameda County Department of Environmental Health (ACDEH) requires that annual groundwater monitoring be conducted during the 1st quarter of every year. Therefore, please have wells MW6F and MW6G sampled annually beginning with the first quarter of 1997.

Please call me directly at 510/567-6880 should you have any questions.

Sincerely,

Dale Klettke, CHMM
Hazardous Materials Specialist

c: Dale Klettke--files
1039gwp&.tno

October 9, 1996

ENV-STUDIES, SURVEYS & REPORTS
Former Texaco/Current Exxon Service Station
2225 Telegraph Ave., Oakland, California

STID 1039

Mr. Dale Klettke, CHMM
Hazardous Materials Specialist
Alameda County
Environmental Health Services
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577

Dear Mr. Klettke:

Texaco has received your letter dated September 26, 1996 regarding the subject site. Based on your concurrance, Texaco will cease pump and treat operations and convert RW-1 to a vapor extraction well. This remediation system modification is intended to increase the petroleum hydrocarbon removal rate in the vicinity of Monitoring Well MW-6H.

In your letter, you stated that you conducted an ASTM Risk-Based Corrective Action (RBCA) Tier 1 analysis and the results indicated that the contaminant levels exceeded the California-modified Tier 1 Risk Based Screening Levels. Therefore, you requested that a RBCA Tier 2 analysis be performed. In order to facilitate a Tier 2 analysis, we would like a copy of your assumptions (exposure pathways, receptor scenario, source media [soil and/or ground water]). Once this information is available, we will proceed with the requested additional evaluation.

Regarding your request that you receive groundwater sampling reports within 45 days of the sampling date, we are currently streamlining the process of quarterly report production. Historically we have provided reports roughly two months after the sampling date. This time period allows for processing and transmission of field data and analytical results and preparation of tables and maps for results presentation. The report for second quarter, 1996 was exceptionally late due to some technical difficulties in including MTBE results. Systematic changes in our report production process are scheduled to take effect fourth quarter, 1996 and should produce a significant time reduction in the production process.

The third quarter, 1996 groundwater sampling report is enclosed. Analytical results show concentrations of TPHg and benzene in Monitoring Well MW6H have decreased fourfold and tenfold, respectively, from the previous quarter.

Due to consistent non-detect analytical results, Monitoring Wells MW6F and MW6G were put on an annual monitoring and sampling schedule in the third quarter of 1995. Based on this schedule, both wells were monitored and sampled in the second quarter, 1996 and again registered non-detect for all constituents of concern. The next scheduled monitoring and

sampling of these wells is scheduled to take place during the second quarter of 1997. Please inform me if this schedule is not satisfactory.

If you have any questions, please do not hesitate to call me at (510) 236-9139.

Best Regards,
Texaco Refining and Marketing, Inc.

Karen E. Petryna, P.E.
Project Manager
Environment, Health & Safety

KEP:hs
U:\...\SITES\2225\TIER2REQ.DK

Enclosure

cc: Mr. Michael Faber, Exxon Company, U. S. A. (w/ACHES 9-26-96 letter attached)
Mr. Sarkis A. Soghomonian, Kaprealian Engineering, Inc. (KEI)

RRZielinski
RAOFile-UCPFile

PR:

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

STID 1039

September 26, 1996

Ms. Karen E. Petryna
Texaco Refining and Marketing Inc.
108 Cutting Boulevard
Richmond, CA 94804

RE: 2225 TELEGRAPH AVENUE, OAKLAND CA 94607

Dear Ms. Petryna:

This office is in receipt of and has completed review of the case file for this site, up to and including the September 23, 1996 - Kaprealian Engineering Inc. "Modification to Remedation System" letter.

In this letter, Kaprealian Engineering requests that the groundwater pump and treat system be discontinued, and that existing underground piping to recovery well RW-1 be added to the newly installed vapor extraction system.

Alameda County Department of Environmental Health concurs with Kaprealian Engineering that "the operation of a ground water pump and treat system will not be successful in further reducing the hydrocarbon concentrations detected at the site." This letter constitutes approval for discontinuing the ground water pump and treat system, in addition to performing recommended modifications to the vapor extraction system.

However, second quarter 1996 groundwater monitoring results document elevated concentrations of petroleum hydrocarbons in monitoring well MW-6H. Laboratory results of the groundwater sample collected from monitoring well MW-6H revealed TPHg and BTEX at concentrations of 3.2, 1.2, 0.16, 0.038 and 0.20 mg/L (ppm), respectively. Petroleum hydrocarbon contamination appears to be migrating off-site, as documented by the high concentrations of benzene historically detected in well MW-6H.

This soil and groundwater data was analyzed using a limited ASTM Risk-Based Corrective Action (RBCA) Tier 1 Risk Based Screening Level (RBSL) evaluation as referenced in the ASTM E 1739 - 95 document "Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites". The ASTM E 1739 - 95 document is a consistent decision-making process for the assessment and response to a petroleum release, and is based on the protection of human health and the environment. The Tier I risk assessment compares the chemicals of concern (COCs) documented at the site with Tier 1 RBSLs as presented in the published Look-up Table (ASTM E 1739-95 - Table X2.1 "Example Tier 1 Risk-Based Screening Level (RBSL) Look-up Table). *Note: Hazard Quotients (HQ) are used in the development of RBSLs for non-carcinogenic compounds only (examples: toluene, ethyl benzene, total xylenes, etc.), and are not used in determining RSBLs for carcinogens such as benzene.*

This evaluation determined that for the following risk exposure scenario, contaminant levels exceed the CA-modified Tier 1 RBSLs:

- "Groundwater-Vapor Intrusion from Groundwater to Buildings" at a target level of 1E-05 (1 in 100,000 excess cancer risk) for a commercial/industrial receptor scenario.

Please be advised that further RBCA Tier 2 evaluation is required for this site.

Finally, the Texaco "Groundwater Monitoring and Sampling Second Quarter, 1996" report was dated August 15, 1996, for wells which were sampled on April 22, 1996. **As previously requested by this office, additional quarterly groundwater sampling reports should be received by this office no later than 45 days from the groundwater sampling date.**

Please call me directly at 510/567-6880 should you have any questions.

Sincerely,

Dale Klettke

Dale Klettke, CHMM
Hazardous Materials Specialist

c: Thomas Peacock, LOP Manager--files
Bob Chambers, Alameda County District Attorneys Office

1039gwp&.tno

KAPREALIAN ENGINEERING
INCORPORATED

STID
1039

September 23, 1996

Alameda County Environmental Health Services
1131 Harbor Bay Parkway #250
Alameda, California 94502-6577

Attention: Mr. Dale Klettke, CHMM

RE: Modification to Remediation System
2225 Telegraph Avenue
Oakland, California

Dear Mr. Klettke:

Texaco installed a ground water pump and treat system at the subject site in November of 1993. On behalf of Texaco, Kaprealian Engineering, Inc. (KEI) also installed a vapor extraction system in December 1995 that operates in conjunction with the ground water pump and treat system. **To date, the ground water pump and treat system has extracted over 700,000 gallons of ground water.**

Texaco's recent Groundwater Monitoring and Sampling report dated August 15, 1996, indicated that hydrocarbons were predominantly present in monitoring well MW-6H. Therefore in order to enhance the remedial efforts at the site, KEI recommends a modification to the remediation system. Since the dissolved plume appears to be stable and defined in the downgradient direction (by well MW-6I) and the source appears to have been removed, **the continued operation of a ground water pump and treat system does not appear warranted.** In addition, based on the dissolved concentrations currently detected in ground water, the operation of a ground water pump and treat system will not be successful in further reducing the hydrocarbon concentrations detected at the site.

Therefore, KEI recommends discontinuing the ground water pump and treat portion of the remediation system. However, **KEI recommends using the existing underground piping to recovery well RW-1 as vapor extraction piping and adding this well to the vapor extraction system.** It is anticipated that vapor extracting from this well would be beneficial in remediating the area near well MW-6H by volatilization and extraction of hydrocarbons in the ground water, remediating any residual hydrocarbons in the soil, and by introducing oxygen to the contaminant area to enhance natural bioremediation.

Unless notified otherwise, KEI will make arrangements to institute the above recommendations for remediation system modification for mid-October 1996. KEI will continue to monitor the operation of

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510.602.5100 Fax: 510.687.0602

the remedial system and the results of the ground water monitoring and sampling program to make additional recommendations as warranted.

If you have any questions, please do not hesitate to call me at (510) 602-5106.

Sincerely,

Kaprealian Engineering, Inc.

Sarkis A. Soghomonian
Project Engineer

sas:jad\DK0923

cc: Ms. Karen E. Petryna, Texaco
Mr. Michael Faber, Exxon

STID 1039

Texaco Refining and Marketing Inc
108 Cutting Boulevard
Richmond CA 94804

February 12, 1996

ENV-STUDIES, SURVEYS & REPORTS
2225 Telegraph Avenue, Oakland, California

Mr. Dale Klettke, CHMM
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, #250
Alameda, California 94502-6577

Dear Mr. Klettke:

Texaco has received your letter dated January 24, 1996 (attached), regarding the subject site. The letter requested a search for the presence or absence of possible horizontal or vertical conduits which could act as preferential pathways for the dissolved hydrocarbon plume. The letter also stated that a minimum of one monitoring well needs to be installed downgradient of monitoring well MW-6H in order to delineate the dissolved hydrocarbon plume.

Texaco will task Kaprealian Engineering, Inc. (KEI), the lead environmental consultant for this site, to conduct an investigation of possible conduits, including the BART tunnel, which possibly could act as a preferential pathway. KEI will also conduct a site reconnaissance survey to determine any potentially suitable locations for a monitoring well. This will also entail possibly conducting an air photo survey, records and title search, and other investigations to determine current or former possible sources which may have impacted the area where a monitoring well would be proposed.

After KEI has conducted the extensive investigation and search for Texaco, as described above, the findings will be summarized in a letter or report which will also contain recommendations for the possible installation of a monitoring well and/or further delineation of the dissolved hydrocarbon plume.

In your letter, you requested the continuation of the quarterly ground water monitoring and sampling program, with sample analyses for TPH as gasoline, BTEX, and MTBE. Texaco will continue the current monitoring, sampling and reporting program.

If you have any questions or comments regarding this site, please call me at (510) 236-9139.

Best Regards,

Karen E. Petryna
Project Coordinator
Texaco Environmental Services

KEP:SAS
U:\...\2225\RESP2-12.DK

cc: Sarkis A. Soghomonian, Kaprealian Engineering, Inc. (KEI)
Michael E. Faber, EXXON Company, U.S.A.

PR: RJ

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

STID 1039

January 24, 1996

Ms. Karen E. Petryna
Texaco Refining and Marketing Inc.
108 Cutting Boulevard
Richmond, CA 94804

RE: 2225 TELEGRAPH AVENUE, OAKLAND CA 94607

Dear Ms. Petryna:

This office is in receipt of and has completed review of the case file for this site, up to and including the January 15, 1996 - Texaco Refining and Marketing Inc. "Fourth Quarter 1995 Groundwater Monitoring and Sampling" Report.

The fourth quarter 1995 groundwater monitoring event documents elevated concentrations of petroleum hydrocarbons in monitoring wells MW-6B, MW-6E and MW-6H. Groundwater samples collected from monitoring wells MW-6F, MW-6G and MW-6I were found to contain non-detectable concentrations of total petroleum hydrocarbons as gasoline (TPHg), BTEX and MTBE for the fourth quarter 1996 sampling event.

As stated on the last page of your "Quarterly Summary Report", the extent of petroleum hydrocarbons in soil and groundwater has not been delineated. This is especially true for areas down-gradient of monitoring well MW-6H, which detected 1,400 ppb-TPHg and 93 ppb-benzene for the fourth quarter 1996 sampling event. Since groundwater flow has been consistently in a southerly to south-southeasterly direction, petroleum hydrocarbon impacted groundwater may possibly be migrating off-site, in close proximity to the BART tunnel. The presence or absence of horizontal and vertical conduits which could act as preferential pathways for the dissolved plume should be evaluated as a part of the site characterization process.

A minimum of one additional monitoring well needs to be installed in a down-gradient location from monitoring well MW-6H. Please provide a simplified work plan showing the location(s) of the proposed groundwater monitoring well(s) and/or sampling points.

This work plan is due no later than 45 days from the date of this letter or March 13, 1996.

In order to properly place the monitoring well(s) in a more cost-effective fashion, this office has suggested that you first employ rapid site assessment tools (e.g. CPT, Geo Probe, Hydropunch, etc.) to qualitatively assess impacts and to define the extent of any contaminant plume **before** proposing final well location(s).

After initial placement and sampling of the additional monitoring well(s), please adhere to a **quarterly** schedule of well sampling, monitoring, and report submittal as referenced in Title 23, California Code of Regulations (CCR) section 2652(d). Sample analytes shall continue to be TPHg, BTEX and MTBE.

Sampling of wells MW-6B, MW-6E, MW-6F, MW-6G, MW-6H, MW-6I and the additional well(s) should continue until four consecutive sampling events have documented acceptable levels of chemicals in groundwater samples collected from these monitoring wells. When four quarters of groundwater monitoring document low or non-detectable levels of petroleum hydrocarbon contamination, revised sampling schedules (annual or semi-annual) for individual wells will be reviewed on a well-by-well basis.

Additional quarterly groundwater sampling reports should be received by this office no later than 45 days from the groundwater sampling date.

In addition, the semi-annual self-monitoring reports do not include tabulations summarizing amounts of petroleum hydrocarbons removed by use of the groundwater treatment unit. It is very difficult to determine whether this system is indeed functioning efficiently. In future reports please tabulate amounts of groundwater and/or soil vapor treated, amount of groundwater and/or soil vapor treated to date, amount of petroleum hydrocarbons removed during the last reporting period and total amounts of petroleum hydrocarbons removed to date. I have enclosed a copy of a table which Groundwater Technology, Inc. has developed which could be modified and which would fulfill these requirements. This table was developed for a dual-phase system similar to the system that you will be operating once the soil-vapor extraction system is installed.

For your information, I have recently taken over management of this project from Thomas Peacock of this office. Please call me at 510/567-6880 should you have any questions.

Sincerely,

Dale Klettke

Dale Klettke, CHMM
Hazardous Materials Specialist

enclosure

c: Thomas Peacock--files
BC Gil Jensen, Alameda County District Attorney's Office
1039admw.jet

TABLE 1
SUMMARY OF RECOVERED AND DESTROYED HYDROCARBONS*

Berkeley, California

	Visit Date	Elapsed Time (HRS)	Total Hours Operational	Hours Operational In Period	Percent Operational In Period	Raw Total Gallons	Processed Water In Period (gal.)	Water Processing Rate (gpm)	Operating Vacuum (in Hg)	FID Reading (ppmv)	Benzene** (lb/day)	Benzene (lbs) In Period	Benzene (lbs) Cumulative	TPH-G (lbs/day)	TPH-G (lbs) In Period	TPH-G (lbs) Cumulative	TPH-G (gal) Cumulative
	11/05/94	-	0	0	-	260,164	-	-	13	2,000	1.4	-	0	84	-	-	0
	11/07/94	48	4	4	8	260,434	270	1.2	0	0	-	0.00	0	-	13	13	2
	11/16/94	215	30	26	12	260,440	6	0.0	6	-	-	0.00	0	-	-	13	2
	11/17/94	26	56	26	100	261,021	581	0.4	5	200	0.3	0.31	0	37	18	31	5
	11/19/94	23	78	23	100	261,430	409	0.3	8	-	-	0.00	0	-	-	31	5
	11/21/94	73	151	73	100	263,361	1,931	0.4	10	300	0.2	0.00	0	11	1	32	5
	11/23/94	50	153	1	2	263,361	0	0.0	6	300	0.2	0.01	0	14	1	33	5
	11/29/94	134	272	119	89	265,423	2,062	0.3	8	200	0.1	0.64	1	37	37	69	10
	12/05/94	151	292	20	13	265,581	158	0.1	10	250	0.2	0.18	1	11	8	78	12
Analytical*	12/12/94	162	454	162	100	276,580	10,999	1.1	7	900	0.6	3.88	5	34	226	304	45
	12/13/94	25	479	25	100	278,234	1,654	1.1	12	725	0.5	0.58	6	32	34	338	50
	12/20/94	171	565	85	50	283,505	5,271	1.0	17	2,750	0.8	2.11	8	35	123	461	68
	12/28/94	191	741	176	92	296,100	12,595	1.2	16	2,300	1.6	11.89	20	54	691	1,152	170
	01/03/95	167	876	135	85	303,640	7,540	0.9	18	900	0.6	3.47	23	36	202	1,354	200
	01/10/95	166	879	3	2	304,017	377	1.9	-	-	-	0.00	23	-	-	1,354	200
Analytical*	01/17/95	172	963	84	49	310,692	6,675	1.3	15	540	0.0	0.02	23	2	6	1,360	201
	01/24/95	163	1,126	163	100	322,823	12,131	1.2	16	100	0.1	0.76	24	6	44	1,404	207
	01/31/95	170	1,183	58	34	326,582	3,758	1.1	24	275	0.3	0.29	24	7	17	1,421	210
	02/08/95	191	1,376	191	100	341,042	14,460	1.3	16	100	0.1	0.43	25	3	25	1,446	213
Analytical*	02/14/95	148	1,524	148	100	349,835	8,793	1.0	20	850	0.1	0.54	25	3	31	1,477	218
	02/21/95	163	1,687	163	100	357,755	7,920	0.8	17.5	500	0.3	2.21	27	19	129	1,605	237
	02/24/95	3	1,689	3	100	357,880	125	0.8	20	2,200	1.4	0.15	27	83	9	1,614	238
	03/13/95	478	1,900	211	44	367,881	23,001	2.0	24	-	0.0	0.00	27	-	-	1,614	238
Analytical*	03/16/95	72	1,972	72	100	385,965	2,184	2.1	24	120	0.1	0.04	27	4	2	1,616	238
	03/21/95	117	2,089	117	100	400,500	15,435	2.2	19	250	0.3	1.53	29	18	89	1,705	251
	03/30/95	218	2,038	8	4	407,250	11,750	2.4	24	300	0.1	0.05	29	8	2	1,708	252
Analytical*	04/06/95	163	2,202	163	100	421,260	13,010	1.9	20	275	0.2	1.22	30	10	71	1,779	262
	04/13/95	168	2,368	166	100	435,270	14,010	1.6	20	425	0.5	1.87	32	18	97	1,876	277
	04/19/95	166	2,514	166	100	460,136	24,866	2.5	25	2,800	1.1	7.66	40	64	445	2,321	342
	04/25/95	153	2,584	70	46	467,313	7,177	1.7	28	1,800	1.2	3.21	43	88	186	2,520	372
	05/01/95	138	2,723	139	100	480,180	12,867	1.5	23	1,700	1.1	6.58	49	64	571	3,091	456
Analytical*	05/08/95	187	2,855	133	80	495,206	15,026	1.8	29	2,900	1.3	7.16	57	275	418	3,507	518
	05/15/95	187	2,855	0	0	-	-	-	-	-	-	-	57	-	-	3,507	518
	06/07/95	528	2,896	131	24	504,960	9,754	1.2	25	800	0.5	2.96	60	32	173	3,680	543
Analytical*	06/14/95	168	3,061	75	44	511,530	6,570	1.5	26	600	0.4	1.25	61	23	73	3,753	554
	06/22/95	183	3,243	182	100	525,982	14,455	1.3	26	1,200	0.8	5.89	67	43	243	3,996	590
	06/26/95	148	3,391	148	100	538,994	12,999	1.5	26	350	0.2	1.49	68	13	81	4,077	602
Analytical*	07/03/95	113	3,506	115	100	548,820	8,036	1.3	25	550	0.4	1.71	70	21	94	4,171	615
	07/13/95	240	3,747	241	100	565,790	17,770	1.2	25	600	0.4	3.91	74	23	227	4,304	635
	07/19/95	149	3,896	149	100	578,050	10,260	1.3	25.5	950	0.6	3.83	78	34	223	4,526	668
	07/26/95	164	4,060	164	100	587,320	11,190	1.1	24	600	0.4	3.05	81	26	178	4,704	694
Analytical*	08/01/95	149	4,209	149	100	601,092	13,872	1.5	22	900	0.6	3.93	84	43	211	4,915	725
	08/08/95	164	4,373	164	100	615,264	14,172	1.4	23.5	1,200	0.8	5.30	90	43	308	5,223	770
	08/18/95	240	4,535	162	68	628,260	13,996	1.2	23	700	0.5	3.24	93	23	188	5,411	798
	08/23/95	126	4,661	126	100	639,722	10,462	1.4	22	500	0.4	2.13	95	24	125	5,536	817
	08/29/95	141	4,802	141	100	651,025	11,303	1.3	22	500	0.3	2.01	97	20	117	5,653	834
Analytical*	09/06/95	193	4,995	193	100	666,163	15,138	1.3	23	350	0.4	3.03	100	22	176	5,829	860
	09/14/95	193	5,189	193	100	681,256	15,093	1.3	22	250	0.3	2.56	103	31	148	5,977	882
	09/20/95	137	5,326	137	100	692,237	10,981	1.3	22	350	0.2	1.37	104	14	80	6,057	893
	09/26/95	152	5,478	144	95	702,862	10,625	1.2	24	175	0.1	0.74	105	7	43	6,100	900
	10/02/95	137	5,607	137	100	711,626	8,764	1.1	25	250	0.2	0.98	106	10	57	6,157	908
	10/06/95	96	5,705	98	100	718,040	6,414	1.1	25	300	0.2	0.84	106	12	49	6,206	915
Analytical*	10/11/95	127	5,785	80	63	722,773	5,233	1.1	25	250	0.2	0.57	107	10	33	6,238	920
	10/18/95	182	5,874	89	55	728,555	5,782	1.2	25	80	0.1	0.20	107	-	12	6,250	922
Analytical*	10/24/95	142	6,015	141	100	738,747	9,192	1.1	-	-	-	-	107	-	-	6,250	922
	11/02/95	219	6,087	53	24	742,130	3,383	1.1	26	45	0.0	0.25	107	2	14	6,265	924
Analytical 11/13*	11/10/95	194	6,238	168	87	757,645	15,515	1.3	23	200	0.1	0.96	108	8	56	6,321	932
	11/15/95	147	6,382	147	100	771,811	13,966	1.6	20	400	0.3	1.97	110	16	97	6,418	947
	11/21/95	120	6,503	120	100	781,819	10,208	1.4	21	90	0.1	0.33	110	4	19	6,437	949
	11/28/95	164	6,666	164	100	794,878	13,059	1.3	18	175	0.1	0.36	111	1	50	6,487	957
	Totals	8,311	6,666	6,666	72	554,714	554,714	-	-	-	-	-	111	-	-	6,487	957

State of California
Memorandum

To: All Regional, District, Area and Field Managers
Division of Occupational Safety and Health

Date: September 25, 1995

Subject: Asbestos Consultant Certification List

From: **Department of Industrial Relations**
Division of Occupational Safety and Health
Asbestos Consultant Certification Unit
2424 Arden Way, Suite 485
Sacramento, CA 95825

Phone: (916) 263-1581
Calnet: 435-1581
Fax: (916) 263-1447

Rick Axe, CIH
Senior Industrial Hygienist

Richard DaRosa has recently become Area Manager for the Consultation Service Sacramento Office, and I have assumed his former role with the Asbestos Consultant Certification Unit (ACCU). Other members of the ACCU are Diane O'Rourke, Morie Oberg who will be with us a short while longer before transferring to the Consultation Service, and Hans Boersma who has just joined us from the Department of Toxic Substances Control.

Attached is the latest copy, dated September 1995, of the "Listing of Asbestos Consultants and Site Surveillance Technicians" for your office reference only.

If anyone has questions or concerns involving the certification of asbestos consultants or site surveillance technicians or wants a copy of this list, please ask them to contact our office at the above address. Refer questions involving the registration of asbestos contractors to the Asbestos Contractor Registration Unit at Headquarters.

Our Unit provides the Consultants List to the public for $8.00. Complimentary copies are provided to public agencies such as school districts, fire departments, and other tax supported government offices.

FDA/fda

Attachment

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PARKWAY RM250
ALAMEDA, CALIFORNIA 94502-6577
PHONE # 510/567-6700
FAX # 510/337-9335

Project Specialist:

_____

modification

UNDERGROUND TANK INSTALLATION PLAN

* * * Complete according to attached instructions * * *

1. Business Name Able Maintenance, Inc.

   Business Owner Robert R. Fischer

2. Site Address 2225 Telegraph & Grand

   City Oakland Zip 94612 Phone (510) 832-4000

3. Mailing Address 51 Foley Street

   City Santa Rosa Zip 95401 Phone (707) 545-5522

4. Land Owner Exxon Company, U.S.A.

   Address P. O. Box 4032

   City, State Concord, California Zip 94524

ABLE
Maintenance, Inc. — General Contractor: #312844
51 Foley St., Santa Rosa, CA 95401
Phone (707) 545-5522 • Fax (707) 545-5515

October 2, 1995

Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, No. 250
Alameda, California 94502-6577

Attention: Mr. Brian P. Oliva, REHS, REA
Senior Hazardous Materials Specialist

Re: Exxon Station #7-0235
2225 Telegraph
Oakland, California

Gentlemen:

Per our conversation, the following information is submitted for your approval so that we may begin vapor recovery line repair at subject location:

1. Completed Underground Tank Modification Plan
2. State Water Resources Control Board Form A and B
3. Three (3) site plans
4. Our check #27532 for $603.00

If any further information is required, please contact our office.

Cordially,

Robert R. Fischer
President

RRF:rh

Enc.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

June 14, 1995
STID 1039

Texaco Refining & Marketing Inc.
ATTN: Bob Robles
10 Universal City Plaza
Universal City, CA 91608

RE: Exxon #7 0235, 2225 Telegraph Ave., Oakland, CA 94612

Dear Bob Robles,

This office has received and reviewed Env - Studies and Reports from Texaco dated May 17, 1995 by Texaco Environmental Services for the above site. This report is acceptable to this office with the following comments:

1. The comment on the Quarterly Summary Report that the extent of petroleum hydrocarbons in soil and groundwater has not been delineated is proper.

2. It is also good to see that you are putting out a bid for a vapor extraction system at this site.

If you have any questions or comments, please contact this office at (510) 567-6782. Also, please note that our office has **moved** to **Alameda.**

Sincerely,

Thomas Peacock, Supervising HMS
Division of Environmental Protection

c: Mee Ling Tung, Acting Chief - files
Michael Faber, Exxon Co.,P.O.Box 4032,Concord,CA 94524-2032
Karen Petryna, Texaco,108 Cutting Blvd.,Richmond,CA 94804

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

ALAMEDA COUNTY-ENV. HEALTH DEPT.
ENVIRONMENTAL PROTECTION DIV.
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577
(510)567-6700

March 7, 1995
STID 1039

Texaco Refining & Marketing Inc.
ATTN: Bob Robles
10 Universal City Plaza
Universal City, CA 91608

RE: Exxon #7-0235, 2225 Telegraph Ave., Oakland, CA 94612

Dear Bob Robles,

This office has received and reviewed Env - Studies and Reports from Texaco dated February 3, 1995 by Texaco Environmental Services for the above site. This report is acceptable to this office with the following comment:

> The attached page, which is a summary of all the sampling work done for different stages of your treatment system reports all the results incorrectly. Either the results should be reported as parts per million (ppm) rather than ppb (billion) or else they should be reported as ppb. I recommend that they be reported as ppb, which is most common for water, as all the results in the accompanying laboratory documents report the results in ppb. In any case, results should be reported accurately.

If you have any questions or comments, please contact this office at (510) 567-6782.

Sincerely,

Thomas Peacock, Supervising HMS
Hazardous Material Division

cc: Gordon Coleman, Acting Chief - files
Michael Faber, Exxon Co.,P.O.Box 4032,Concord,CA 94524-2032
Karen Petryna, Texaco,108 Cutting Blvd.,Richmond,CA 94804
attachment

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

Alameda County CC4530
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

February 2, 1995
STID 1039

Texaco Refining & Marketing Inc.
ATTN: Bob Robles
10 Universal City Plaza
Universal City, CA 91608

RE: Exxon #7-0235, 2225 Telegraph Ave., Oakland, CA 94612

Dear Bob Robles,

This office has received and reviewed Env - Studies and Reports from Texaco dated November 30, 1994 and January 18, 1995 by Texaco Environmental Services for the above site. These reports are acceptable to this office with the following comments:

1. There are no recommendations in the reports. There is a lot of data but nothing is said about what plans are for the continuing remediation of the site other than for continued monitoring.

2. How well is the treatment system working. There is no information about capture area of the treatment system, how much water or contaminant is being removed. The only information is that operation and maintenance is being done.

3. These two reports came in only 7 weeks apart and the first one was 90 days after the sampling was done. This is already into the next quarter and does not allow for this office to have an effect on what will be done next.

4. In the last report there are now hits in MW-6G and MW-6I. Significant contamination is still in MW-6B and MW-6E. MW-6H is way up with contamination levels of 13,000 ppb of TPHg (misreported on plate 3 as 1,300) and 1,700 ppb benzene. This well is the farthest east. If a plume was plotted, which it was not, the entire east side of the plume with a gradient to the south would be open and unbounded. The comment is made in both of the summary reports that **"the extent of petroleum hydrocarbons in soil and groundwater has not been delineated".** This is surely true.and the contamination that it is detecting being captured by the pumping? The plume is not shown but it is certainly not all contained?

Further investigative work needs to be performed, possibly to include the other side of Telegraph Ave., to adequately assess that side of the plume. In the last report the gradient was shown to have changed direction such that it was heading out to

Telegraph Ave. in the very direction where information is missing. Although MW-6I used to be ND for many quarters, the most recent analysis showed small hits of 53 ppb TPHg and 0.62 ppb benzene. This seems like it could be the leading edge of the plume.

If you have any questions or comments, please contact this office at (510) 567-6782.

Sincerely,

Thomas Peacock, Supervising HMS
Hazardous Material Division

cc: Edgar Howell, Chief - files
Michael Faber, Exxon Co.,P.O.Box 4032,Concord,CA 94524-2032
Karen Petryna, Texaco,108 Cutting Blvd.,Richmond,CA 94804

EXXON COMPANY, U.S.A.

P.O. BOX 4032, CONCORD, CA 94524-2032
MARKETING DEPARTMENT

FUEL PRODUCTS, BUSINESS SERVICES
ENVIRONMENTAL ENGINEERING

MICHAEL E. FABER
SENIOR ENVIRONMENTAL ENGINEER

(510) 246-8754
(510) 246-8798 FAX

October 12, 1994

Mr. Ron Zielinski
Area Supervisor
Texaco Refining and Marketing, Inc.
108 Cutting Blvd.
Richmond, CA 94804

Dear Ron:

Attached please find L.O.P. invoices for your handling and payment associated with the following locations:

Exxon RAS#	Texaco RAS#	L.O.P. Site#	Address	City
7-0238	62488000888	245	2200 12th Street E.	Oakland
7-0235	62488000195	1039	2225 Telegraph Ave.	Oakland

Exxon has not been involved in any environmental investigative/remediative work at these sites during the billing period invoiced (1/1/94 through 6/30/94). Should you have any questions please feel free to give me a call at the number listed above.

Sincerely,

Michael E. Faber
Senior Environmental Engineer

c: w/attachments
Mr. Erinie Villasenor - Exxon
Ms. Lori Casias - S.W.R.C.B.

LOP - CHANGE RECORD REQUEST FORM

printed: 09/22/94

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
StID : 1039
SITE NAME: Exxon # 7-0235 DATE REPORTED : 11/27/91
ADDRESS : 2225 Telegraph Ave DATE CONFIRMED: 11/27/91
CITY/ZIP : Oakland 94612 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: G CONTRACT STATUS: 7 PRIOR CODE:1B3 EMERGENCY RESP: -0-
RP SEARCH: S DATE COMPLETED: 04/27/92
PRELIMINARY ASMNT: C DATE UNDERWAY: 09/08/89 DATE COMPLETED: 11/30/89
REM INVESTIGATION: C DATE UNDERWAY: 11/30/89 DATE COMPLETED: 09/07/90
REMEDIAL ACTION: U DATE UNDERWAY: 09/07/90 DATE COMPLETED: -0-
POST REMED ACT MON:- DATE UNDERWAY: -0- DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 04/27/92
LUFT FIELD MANUAL CONSID: 3HSCAWG
CASE CLOSED: - DATE CASE CLOSED: -0-
DATE EXCAVATION STARTED : 11/27/91 REMEDIAL ACTIONS TAKEN: ED,GT,FP,VE

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Michael Faber
COMPANY NAME: Exxon Co
ADDRESS: P O Box 4032
CITY/STATE: Concord, C A 94524-2032

RP#2-CONTACT NAME: Bob Robles
COMPANY NAME: Texaco Refining &marketing Inc
ADDRESS: 10 Universal City Plaza
CITY/STATE: Universal City, Ca 91608

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

ANNPGMS _____ LOP____ DATE _____

Case Progress Changes

LOP _____ DATE _____

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR
DEPARTMENT OF ENVIRONMENTAL HEALTH

Alameda County CC 4580
Health Care Services Agency
Dept. Of Environmental Health
1131 Harbor Bay Pkwy 2nd Flr.
Alameda, CA 94502-6577

September 22, 1994
STID 1039

Texaco Refining & Marketing Inc.
ATTN: Bob Robles
10 Universal City Plaza
Universal City, CA 91608

RE: Exxon #7-0235, 2225 Telegraph Ave., Oakland, CA 94612

Dear Bob Robles,

This office has received and reviewed Env - Studies and Reports from Texaco dated August 4 and 5, 1994 by Blaine Tech services for the above site. These reports are acceptable to this office with the following comments:

1. There are no recommendations in the reports. There is a lot of data in the reports but nothing is said about what plans are for the continuing remediation of the site.

2. A question that should be answered is "what is the capture area of the treatment system?" MW-6H has the highest concentration of any of the wells that were monitored and there is not another well down gradient from MW-6H. So is all the contamination that it is detecting being captured by the pumping? The plume is not shown so is it all contained?

If you have any questions or comments, please contact this office at (510) 567-6782. Note our new address and phone.

Sincerely,

Thomas Peacock, Supervising HMS
Hazardous Material Division

cc: Edgar Howell, Chief - files
Michael Faber, Exxon Co.,P.O.Box 4032,Concord,CA 94524-2032
Karen Petryna, Texaco,108 Cutting Blvd.,Richmond,CA 94804

STATE OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

STATE WATER RESOURCES CONTROL BOARD
DIVISION OF CLEAN WATER PROGRAMS
2014 T STREET, SUITE 130
P.O. BOX 944212
SACRAMENTO, CA 94244-2120

916/227-4325
Facsimile 916/227-4349

93 AUG -4 PM 1:04

AUG 02 1993

Ms. Maria D. Guensler
Senior Environmental Engineer
Exxon Company, U.S.A.
PO Box 4032
Concord, CA 94524-2032

Dear Ms. Guensler:

UNDERGROUND STORAGE TANK (UST) LOCAL OVERSIGHT PROGRAM, VARIOUS SITES, ALAMEDA COUNTY

This is in response to your two letters dated June 19, 1993 regarding two sites in the Local Oversight Program. Also, this is in response to the letter addressed to Ron Zielinski, Texaco Environmental Services, dated May 21, 1993, regarding three sites in the Local Oversight Program. You mailed us a copy of this letter. You believe that Exxon is not involved in any environmental investigative/remediative work at the five sites and, therefore, is not responsible for the oversight costs.

The following information on Exxon's involvement at these sites was obtained from Alameda County. For your information, we have enclosed copies of the notices sent to you informing you that Exxon has been identified as a responsible party for these sites.

Site No. 3695, 1900 Webster Street, Alameda

Exxon acquired Signal Oil Company who was the owner/operator of the tanks at the time the unauthorized release occurred in 1963. Exxon has been named jointly responsible with the current property owner, Dolan Foster Enterprises, Inc.

Site No. 2996, 2200 E. 14th Street, Oakland

Exxon was the owner/operator of the tanks to June 6, 1973 and was the property owner until 1974 when the tanks were removed. Exxon has been named jointly responsible with Lili Good, Lano Choung, Nguyen Qua and Lan Chung.

Site No. 1039, 2225 Telegraph Avenue, Oakland

Exxon is the current property owner. Exxon has been named jointly responsible with Texaco.

AUG 0 2 1993

Site No. 1109, 500 Grand Avenue, Oakland

Exxon was the operator at the time the tank was removed and also subleased the property. Exxon has been named jointly responsible with J. and M. Howard Trust and Texaco.

Site No. 245, 2200 E. 12th Street, Oakland

Exxon is the current property owner. Exxon has been named jointly responsible with Texaco.

When more than one responsible party is identified at a site, it is the responsibility of all parties to apportion cleanup costs.

If you have any questions, please telephone Lori Casias at (916) 227-4325. Questions concerning site remediation should be directed to Tom Peacock, Alameda County, at (510) 271-4530.

Sincerely,

L Casias

for Sandra L. Malos, Chief
Local Oversight Program

Enclosures

cc: Tom Peacock, Alameda County

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

November 25, 1992
STID 1039

Texaco Refining & Marketing Inc.
ATTN: Ron Zielinski
108 Cutting Blvd.
Richmond, CA 94804

RE: Exxon #7-0235, 2225 Telegraph Ave., Oakland, CA 94612

Dear Dan Zielinski,

This office has received and reviewed a Report of Tank Replacement and Closure Sampling dated January 1992 by EA Engineering, Science, and Technology, and 2 Quarterly Technical Reports dated May 21 and September 10, 1992 by Harding Lawson Associates concerning the above site. These reports are acceptable to this office with the following comment:

> There was reference to the lack of a contract for the 3rd quarter 1992 for Harding Lawson Associates. This office expects that quarterly reports and the associated remediation efforts and monitoring will continue on this site. We look forward to the next report, which should be arriving soon.

Thank you for your cooperation. If you have any questions or comments, please contact this office at (510) 271-4530.

Sincerely,

Thomas Peacock, Supervising HMS
Hazardous Material Division

cc: Richard Hiett, RWQCB
Edgar Howell, Chief - files
William Wang, Exxon Co., P.O.Box 4032, Concord, CA 94524-2032

Harding Lawson Associates

July 28, 1992

10257.161

Alameda County Health Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 350
Oakland, California 94621

Attention: Ms. Susan L. Hugo

Dear Ms. Hugo:

Status of Groundwater Treatment System
Former Texaco Service Station
2225 Telegraph Avenue
Oakland, California

Harding Lawson Associates (HLA) submits this letter on behalf of Texaco Refining and Marketing, Inc. (Texaco) to inform you that the groundwater treatment system at 2225 Telegraph Avenue, Oakland is no longer operational. The site, a former Texaco service station, is now an Exxon Company, U.S.A. (Exxon) service station. Since late 1990, HLA has operated the treatment system on behalf of Texaco to remove petroleum hydrocarbons from groundwater.

The groundwater treatment system consists of three on-site extraction wells and a treatment compound which includes a retention tank and three in-series canisters of granular activated carbon. Since HLA began operating the system in late 1990, approximately 360,000 gallons of groundwater have been treated and discharged to the East Bay Municipal Utilities District (EBMUD) sanitary sewer system under Wastewater Discharge Permit No. 502-27801.

The treatment system has been shut down since June 4, 1992, because of a blocked sewer discharge line. Texaco has requested that the system remain nonoperational while they evaluate the effectiveness of groundwater treatment at the site. The system will be nonoperational for an indefinite period of time.

If you have questions regarding this matter, please feel free to contact the undersigned at 510/687-9660.

Sincerely,

HARDING LAWSON ASSOCIATES

Jeanna S. Hudson
Senior Geologist

Stephen J. Osborne
Principal Engineer

JSH/SJO/pkp 033236P/L36

cc: Texaco Refining and Marketing Inc.
10 Universal City Plaza
Universal City, California 91608
Attention: Mr. Robert Robles

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II,III

Site ID # ____ Site Name Exxon ____ Today's Date 12/3/92

Site Address 2225 Telegraph Ave

City Oakland Zip 94612 Phone ____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
_x_ III. Underground Tanks

• Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other ________

___	7. Precis Tank Test Date: ______	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ______	2711
___	14. As Built Date: ______	2635

Rev 6/88

Comments:
Treatment system shut down at time.
Lot of water in containment area
4-55 gal drums of activated carbon
Water needs to be tested and treated.
System operated for Texaco not Exxon
When will system be operated again?
wells
Spoke w/ operator
Lessee from Exxon

Treatment System

II, III

Contact: ________

Title: ________

Signature: [signature]

Inspector: [signature]

Signature: ________

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II,III

Site ID # ____ Site Name Exxon Today's Date 12/2/92

Site Address [illegible] Telegraph Ave

City Oakland Zip 94612 Phone ________

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
✓ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

[illegible] 11/19/92
shut down at time
[illegible] water [illegible]
area -
4 [illegible] drums of activated carbon
Water needs to be tested or treated.
System operated for Texaco not Exxon.
When will system be operated again?
[illegible]
Spoke w/ operator
Lessee from Exxon

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MATLS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

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1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other ________

___	7. Precis Tank Test Date: ______	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ______	2711
___	14. As Built Date: ______	2635

Rev 6/88

II, III

Contact: ____________________
Title: ____________________
Signature: ____________________

Inspector: [signature]
Signature: ____________________

```
 Tank Status  A           TANKS:III-A Type: DW/SW...-      FEE & PERMIT DATES
 StateTankID- 1     -@ bott       B TANK's Matl.  -       ------------------
                    ~~~~~~        C InteriorLining-       SSChgPaid- 04/01/92
 I-A Owner TnkID 1-B              D Corr.Prot-            SSChgDue -
   B Manufacturr                  E Spill Protect.-
   C DtInstalled 12/01/91           OverSpill Prot-       Tank Appl-
     DateRemoved               DrTb-  StrPl-  DispCont-  PermitIss- 04/20/95
   D Capac (gal) 10000     PIPES:IV-A Type (Suc/Pres)      PermExpir-
 II- Contents A:   B:   C:          B PIPE Construc.-
             D:RegUnld              C PIPE Material -       Insp.Initials:
 V-  TankLeakDet 1,2,6,7            D PipeLeak-Detec-
                                       Last Test            Freq (#Mos)
 TANK TESTING PARAMETERS:              ----------           ----------
 Yr of Pump Interlock          TANKS:                            -06/26/97-
   Installation:               PIPES:                      (Page 3 of 4)
[ESC] Done    [F2] Clear field   [Shift-F2] Clear to end   [Shift-F10] More
Form: UGTLook    Table: TInfo     Field: PipILock   Page: 3
```

```
 UGT TANK INFORMATION - FORM B  dated              Pages 1&2-Fac., 3&4-Tanks
                                                   <F7>-<F8> for next
 StID: 1039    Exxon R/S #7-0235
 Status : C
 State Fac#: 16114     TOTAL # Tanks:4          STATE APPL.DATE: 09/16/91
```


```
 Tank Status  A           TANKS:III-A Type: DW/SW...-      FEE & PERMIT DATES
 StateTankID- 1     -@ bott       B TANK's Matl.  -       ------------------
                    ~~~~~~        C InteriorLining-       SSChgPaid- 04/01/92
 I-A Owner TnkID 1-B              D Corr.Prot-            SSChgDue -
   B Manufacturr                  E Spill Protect.-
   C DtInstalled 12/01/91           OverSpill Prot-       Tank Appl-
     DateRemoved               DrTb-  StrPl-  DispCont-  PermitIss- 04/20/95
   D Capac (gal) 10000     PIPES:IV-A Type (Suc/Pres)      PermExpir-
 II- Contents A:   B:   C:          B PIPE Construc.-
             D:RegUnld              C PIPE Material -       Insp.Initials:
 V-  TankLeakDet 1,2,6,7            D PipeLeak-Detec-
                                       Last Test            Freq (#Mos)
 TANK TESTING PARAMETERS:              ----------           ----------
 Yr of Pump Interlock          TANKS:                            -06/26/97-
   Installation:               PIPES:                      (Page 3 of 4)
[ESC] Done    [F2] Clear field   [Shift-F2] Clear to end   [Shift-F10] More
Form: UGTLook    Table: TInfo     Field: PipILock   Page: 3
```


```
 UGT TANK INFORMATION - OPERATING PERMIT FIELDS    Pages 1&2-Fac., 3&4-Tanks
                                                   <F7>-<F8> for next
 StID: 1039    Exxon R/S #7-0235
 State Fac#: 16114     TOTAL # Tanks:4

             FOR TANK SYSTEM # 1-B        **
 1. State UST ID:                  01-000-16114 -1
 2. Capacity (gallons)            **10000
 3. Hazardous Substance Stored    **RegUnld     - put translation here.
 4. TANK's Monitoring Method      **1,2,6,7       permit=>
 5.   Tank Monitoring Frequency:
 6.   Tank Monitoring Alarm?
 7.   Tank Integrity Test (freq)
 8. PIPING's Monitoring Method    **              permit=>
```

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II,III

Site ID # ____ Site Name Exxon Today's Date 12/7/91

Site Address 2225 Telegraph

City Oakland Zip 94612 Phone ______

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
____ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Pipeline Sampling underneath 3 dispensors islands

4 Samples taken underneath island closest to Grand Ave 2 samples taken ~~[illegible]~~ along run from former tanks toward dispensor [illegible] at elbow, 2 under former dispensors - Clay soil

Four Samples taken underneath island next to telegraph one taken where pipe enters excavation one sample taken at elbow, one taken at middle of island beneath former dispensor one at end toward the church

Two samples collected along side of island running parallel to Telegraph Closest to the building

II.A BUSINESS PLANS (Title 19)

___ 1. Immediate Reporting	2703
___ 2. Bus. Plan Stds.	25503(b)
___ 3. RR Cars > 30 days	25503.7
___ 4. Inventory Information	25504(a)
___ 5. Inventory Complete	2730
___ 6. Emergency Response	25504(b)
___ 7. Training	25504(c)
___ 8. Deficiency	25505(a)
___ 9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___ 10. Registration Form Filed	25533(a)
___ 11. Form Complete	25533(b)
___ 12. RMPP Contents	25534(c)
___ 13. Implement Sch. Req'd? (Y/N)	___
___ 14. Offsite Conseq. Assess.	25524(c)
___ 15. Probable Risk Assessment	25534(d)
___ 16. Persons Responsible	25534(g)
___ 17. Certification	25534(f)
___ 18. Exemption Request? (Y/N)	25536(b)
___ 19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___ 1. Permit Application	25284 (H&S)
___ 2. Pipeline Leak Detection	25292 (H&S)
___ 3. Records Maintenance	2712
___ 4. Release Report	2651
___ 5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tstng
8) Annual Tank Testing
Daily Inventory
9) Other ______

___ 7. Precis Tank Test Date: ______	2643
___ 8. Inventory Rec.	2644
___ 9. Soil Testing .	2646
___ 10. Ground Water.	2647

New Tanks

___ 11. Monitor Plan	2632
___ 12. Access. Secure	2634
___ 13. Plans Submit Date: ______	2711
___ 14. As Built Date: ______	2635

Rev 6/88

II, III

Contact: ______

Title: ______ Inspector: ______

Signature: ______ Signature: ______

DATE: month 4 date 1 ,1992

TO : **Local Oversight Program**

FROM: Don Hwang

SUBJ: **Transfer of Elligible Oversight Case**

Site name: Exxon

Address: 2220 Telegraph Ave City O Zip 94612

Closure plan attached? (Y) N DepRef remaining $_____

DepRef Project # 928 STID #(if any) 1039

Number of Tanks: 4 ~~removed~~ removed? (Y) N Date of removal 11/27/91 #66

Leak Report filed? Y (N) Date of Discovery_____

Samples received? Y (N) Contamination: Soil Groundwater

Petroleum Y N Types: Avgas Jet leaded unleaded Diesel
fuel oil waste oil kerosene solvents

Monitoring wells on site_____ Monitoring schedule? Y N

LUFT category 1 2 3 * H S C A R W G O

Briefly describe the following:

Preliminary Assessment_____

Remedial Action_____

Post Remedial Action Monitoring_____

Enforcement Action_____

(Chevron additives Known?
(Can it be found out?)

- requested BW to request of HCA to really scrutinize the piping/tanks upon their exposure

- Texaco needs to assess from where the gas is coming from, if not from there own site
  - borings along the BART tunnel easement
  - assess Chevrons integrity
- evaluate underground utilities which may contribute to the anamolous presence of FP in MW-1

Benicia refinery primary source for Exxon fuel here
- w/ fuel from "exchange", which could contain MTBE, is known to have been delivered to this site
- however, w/o reviewing every delivery receipt at this site, there may be a remote chance that fuel came from exchange

- Chevron fuel may have been analyzed, too
BW thinks that MTBE wasn't present in fuel at that time — will check on it

Need to contact re: additives → Weights + Measures → BAAQMD

- HMMP to revisions to be forthcoming to reflect UST removal

11/26/91
notes Exxon mtg
Scott S.

2225 Telegraph
#7-0235

- collected samples in August / increase octane rating
  - found it contained MTBE, not used by Exxon
  - found it did not contain any Exxon additives

- integrity test performed after free product found — tested "tight"

- no 3rd qtr report yet submitted

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

Project Specialist:
Paul Supple

UNDERGROUND TANK INSTALLATION PLAN
*** * * Complete according to attached instructions * * ***

1. Business Name EXXON SERVICE STATION #7-0235
   Business Owner EXXON COMPANY U.S.A.
2. Site Address 2225 TELEGRAPH AVE.
   City OAKLAND CA Zip 94612 Phone 415-832-4000
3. Mailing Address 2300 CLAYTON RD. #1250
   City CONCORD CA Zip 94520 Phone 415-246-8700
4. Land Owner EXXON COMPANY U.S.A.
   Address 4550 BACOMA RD, 3RD FLOOR
   City, State HOUSTON, TX Zip 77092

5. Tank Information: Note: any special treatment to prevent corrosion, details of cathodic protection, piping coatings, and any special or unique equipment not otherwise noted. 15 gallon minimum overfill protection is required. Attach appropriate manufacturer brochures and instructions for clarity.

Manufacturer	Model	Size(gal.)	Material/Design	Contents
OWENS/CORNING	DWT-3P	12,000	FIBERGLASS/ DOUBLE WALL	REG. UNLEADED
"	"	"	"	SUP. UNLEADED
"	"	"	"	LEADED
"	DWT-4P	1,000	"	WASTE OIL

	Monitoring Eq*	Model	Manual/Auto	line leak Detect	Monitoring Meth
TANK	FOLLUERT	FD210RA	AUTO		DRY ANNULUS SPACE PROBE W/ REMOTE ANNUNCIATION
LINE	RED JACKET	TWO-SECOND	AUTO		PRESSURE SENSING DIAPHRAGM
SECONDARY PIPING	FOLLUERT	FD214S	AUTO		SUMP PROBE

* a copy of the manufacturer's brochure must be submitted with tank installation diagrams. It must show test methods and procedures.

6. Contractor [redacted] (TO BE DETERMINED BY BID)

Address 837 Rose Lane

City West Sacramento, CA Phone (916) 992-1858

License Type A-HAZ ID# 617238

7. Submit Worker's Compensation Certificate copy

Name of Insurer CA Compensation

8. Contact person for installation Randy Rodgers

Phone (916) 992-1858 Title Job Lead

9. Submit 3 set of scaled Blue Prints: consisting of detailed engineering descriptions of the installation and must include the following information:

a) North Arrow, property Lines, location of all structures;
b) plan views and elevations of tanks, piping runs, and dispensers, as well as schematics of all appurtenant equipment and monitoring devices to be installed, utilities;
c) Existing wells (drinking, monitoring, etc.);
d) Depth to ground water; and
e) All existing tanks and piping in addition to the ones being installed/modified.
f) electrical and wiring diagrams, including emergency shutoff.
g) installation specifications and construction standards to be followed.

10. Enclose Deposit
A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans. The time spent on the project will be charged on an hourly basis at the current service rate. Any refund at the conclusion of the project will be refunded to the owner or his/her designee.

* One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

11. Of the three sets of plans submitted, two will be returned after review and approval. Next you must contact the appropriate fire and building departments for any required permits. You must schedule at least 3 days in advance for the following inspections: piping inspection prior to covering, and final inspection prior to operating. A precision test will be required on the system to assure it does not leak. Any questions or problems should be refered directly to the specialist assigned to your project.

12. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

13. As-built plans are to be submitted within 30 days of completion. Permit Application Forms A and B('s) are to be submitted and fees paid prior to operation of the tanks.

14. A written monitoring plan must be submitted prior to the operation of the tank and prior to the issuance of a permit.
I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

15. These instructions do not apply in the city limits of Fremont, Newark, Union City, Hayward, Pleasanton, Berkeley, or San Leandro as they enforce their own underground tank regulatory program.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted installation plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) _____

Signature _____

Date _____

Signature of Site Owner or Operator

Name (please type) Greg DeMarzo

Signature Greg DeMarzo

Date 5/25/91

"Rev 3/91

Randy Rodgers Weston Eng.
(916) 373-1155

Greg De Mow Zo 246-8726

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

Project Specialist (print) Paul M. Smith 11/14/91

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name EXXON SERVICE STATION #7-0235

   Business Owner EXXON COMPANY U.S.A.

2. Site Address 2225 TELEGRAPH AVE.

   City OAKLAND Zip 94612 Phone 415-832-4000

3. Mailing Address 2300 CLAYTON RD. #1250

   City CONCORD Zip 94520 Phone 415-246-8700

4. Land Owner EXXON COMPANY U.S.A.

   Address 4550 DACOMA RD. City, State HOUSTON, TX Zip 77092

5. Generator name under which tank will be manifested

   Exxon Co USA

   EPA I.D. No. under which tank will be manifested CAD009466392

rev 12/90

6. Contractor Walton Engineering

Address 837 Riske Lane

City West Sacramento CA Phone (916) 372-1888

License Type A-Hazardous ID# 617238

7. Consultant ROBERT H. LEE & ASSOCIATES

Address 900 LARKSPUR LANDING CIRCLE #125

City LARKSPUR Phone 415-461-8890

8. Contact Person for Investigation

Name GREG DEMARZO Title CONST. & MAINT. ENGINEER FOR EXXON COMPANY U.S.A.

Phone 415-246-8726

9. Number of tanks being closed under this plan 4

Length of piping being removed under this plan APPROX. 100'

Total number of tanks at facility 4

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled ** as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name ERICKSON INC. EPA I.D. No. CAD009466392

Hauler License No. 019 License Exp. Date _____

Address 255 PARR BLVD.

City RICHMOND State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name ERICKSON INC. EPA I.D. No. CAD009466392

Address 255 PARR BLVD.

City RICHMOND State CA Zip 94801

rev 12/90

c) Tank and Piping Transporter

Name ERICKSON INC. EPA I.D. No. _____

Hauler License No. _____ License Exp. Date _____

Address _____

City _____ State _____ Zip _____

d) Tank and Piping Disposal Site

Name ERICKSON INC. EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

11. Experienced Sample Collector

Name JOSHUA DECARL

Company EA ENGINEERING

Address 41 LAFAYETTE CIRCLE

City LAFAYETTE State CA Zip 94549 Phone 415-283-7077

12. Laboratory

Name MOBILE CHEM LABS, INC. PACE lab / Novato

Address 5021 BLUM ROAD, SUITE 3

City MARTINEZ State CA Zip 94553

State Certification No. 1342

13. Have tanks or pipes leaked in the past? Yes [X] No [ ]

If yes, describe. OUR RECORDS INDICATE A REPORTED CONTAMINATION BUT NO FURTHER DETAILS, IF NECESSARY WE CAN INVESTIGATE AND REPORT FURTHER.

14. Describe methods to be used for rendering tank inert

30 LBS. OF DRY ICE WILL BE USED FOR EVERY 1,000 GALLONS OF TANK CAPACITY.

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. **It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.**

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
10,000	GASOLINE	SOIL, GROUND WATER IF APPLICABLE	(2) CONFIRATORY SAMPLES BENEATH EACH TANK; ONE SAMPLE AT EACH END AT NATIVE SOIL/ BACKFILL INTERFACE. FOR SAMPLING PROTOCAL FOR SOIL/ WATER, SEE ATTACHED.
6,000	GASOLINE		
6,000	GASOLINE		
500	WASTE OIL		

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated)	Sampling Plan ONE COMPOSIT SAMPLE, CONSISTING OF FOUR INDIVIDUAL BRASS SAMPLING CYLINDERS, WILL BE ANALYZED FOR EVERY 50 CUBIC YARDS OF SOIL.

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

    The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH-GAS BTX&E Total Lead	5030, SOIL/WATER	8020 or 8240, SOIL 602 or 624, WATER	
WASTE OIL: TPH-GAS TPH-DIESEL GCFID OIL & GREASE BTXME	5030 SOIL/WATER 3550 SOIL Cr, Cd, Ni, Pb, Zn 3510 WATER	503 D&E SOIL 503 D&E SOIL	
CHLORINATED HYDROCARBONS	5030 SOIL/WATER	8010 or 8240 SOIL/ 601 or 624 WATER	

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer California Compensation

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) Randy Rogers, Walton Engineering

Signature [signature]

Date 10-25-91

Signature of Site Owner or Operator

Name (please type) Greg DeMarzo

Signature [signature]

Date 8/25/91

18. Submit Worker's Compensation Certificate copy

Name of Insurer _____

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. **Report any leaks or contamination to this office within 5 days of discovery.** The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) _____

Signature _____

Date _____

Signature of Site Owner or Operator

Name (please type) Greg DeMarzo

Signature Greg DeMarzo

Date 8/25/97

rev 12/90

INSTRUCTIONS

General Instructions

* Three (3) copies of this plan plus attachments and deposit must be submitted to this Department.

* Any cutting into tanks requires local fire department approval.

* One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

Item Specific Instructions

2. SITE ADDRESS
   Address at which closure is taking place.

5. EPA I.D. NO. under which the tanks will be manifested
   EPA I.D. numbers may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR
   Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

    a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.

    c) Tanks must be hauled as hazardous waste.

    d) This is the place where tanks will be taken for cleaning.

15. TANK HISTORY AND SAMPLING INFORMATION
    Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

    Material to be sampled - e.g. water, oil, sludge, soil, etc.

    Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

a) The name and responsibilities of the site health and safety officer;

b) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;

c) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;

d) Frequency and types of air and personnel monitoring to be used - along with the environmental sampling techniques and instrumentation. Include instrumentation maintenance and calibration methods and frequencies;

e) Specific personal protective equipment and procedures to be used by workers to protect themselves from the identified hazards. Also state the contaminant concentrations in air - or other conditions - which will trigger changes in work or work habits to ensure workers are not exposed to high levels of hazardous chemicals or to other unsafe conditions;

f) Confined space entry procedures (if applicable);

g) Decontamination procedures;

h) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, security guards, etc.);

i) Spill containment and emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;

j) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and

k) Page for employees to sign indicating they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. **A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.**

NOTE: These requirements are excerpts from 29 CFR Part 1910.120, Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN
The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

a) Scale;

b) North Arrow;

c) Property Lines;

d) Location of all Structures;

e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;

f) Streets;

g) Underground conduits, sewers, water lines, utilities;

h) Existing wells (drinking, monitoring, etc.);

i) Depth to ground water; and

j) All existing tanks and piping in addition to the ones being pulled.

20. DEPOSIT
A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT
The tank closure report should contain the following information:

a) General description of the closure activities;

b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

TABLE #2

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS	WATER ANALYSIS
Unknown Fuel	TPH G GCFID(5030) TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA ------Optional------- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240	TPH G GCFID(5030) TPH D GCFID(3510 O & G 5520 C & F BTX&E 602, 624 or 8260 CL HC 601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni	
	METHOD 8270 FOR SOIL OR WATER TO DETECT:	
	PCB*	PCB
	PCP*	PCP
	PNA	PNA
	CREOSOTE	CREOSOTE

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;

d) Description of sampling methods;

e) Description of any remedial measures conducted at the time of tank removal;

f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;

g) Chain of custody records;

h) Copies of signed laboratory reports;

i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and

j) Tabulation of the volume and final destination of all non-manifested contaminated soil hauled offsite.

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.

2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.

3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.

4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.

5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.

6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).

7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).

8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. **Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.**

9. **PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:**

	SOIL PPM	WATER PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

10. LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.

11. IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

    The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

12. REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal

from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

ACORD. CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY) 11/07/91

PRODUCER

R.L. MILSNER, INC.
2125 OAK GROVE ROAD, SUITE 110
WALNUT CREEK, CA 94598

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.

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A CALIFORNIA COMPENSATION
COMPANY LETTER B
COMPANY LETTER C
COMPANY LETTER D
COMPANY LETTER E

INSURED

WALTON ENGINEERING
837 RISKE LANE
WEST SACRAMENTO, CA 95691

COVERAGES

THIS IS TO CERTIFY THAT 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. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
	GENERAL LIABILITY COMMERCIAL GENERAL LIABILITY CLAIMS MADE OCCUR. OWNER'S & CONTRACTOR'S PROT.				GENERAL AGGREGATE PRODUCTS-COMP/OP AGG. PERSONAL & ADV. INJURY EACH OCCURRENCE FIRE DAMAGE (Any one fire) MED. EXPENSE (Any one person)	$ $ $ $ $ $
	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY				COMBINED SINGLE LIMIT BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE	$ $ $ $
	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE AGGREGATE	$ $
A	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	W-0005285	12/31/90	12/31/91	STATUTORY LIMITS EACH ACCIDENT DISEASE—POLICY LIMIT DISEASE—EACH EMPLOYEE	 $ 1,000,000 $ 1,000,000 $ 1,000,000
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER

COUNTY OF ALAMEDA
4400 MacARTHUR BLVD.
OAKLAND, CA 94619
ATTN: PAUL SMITH

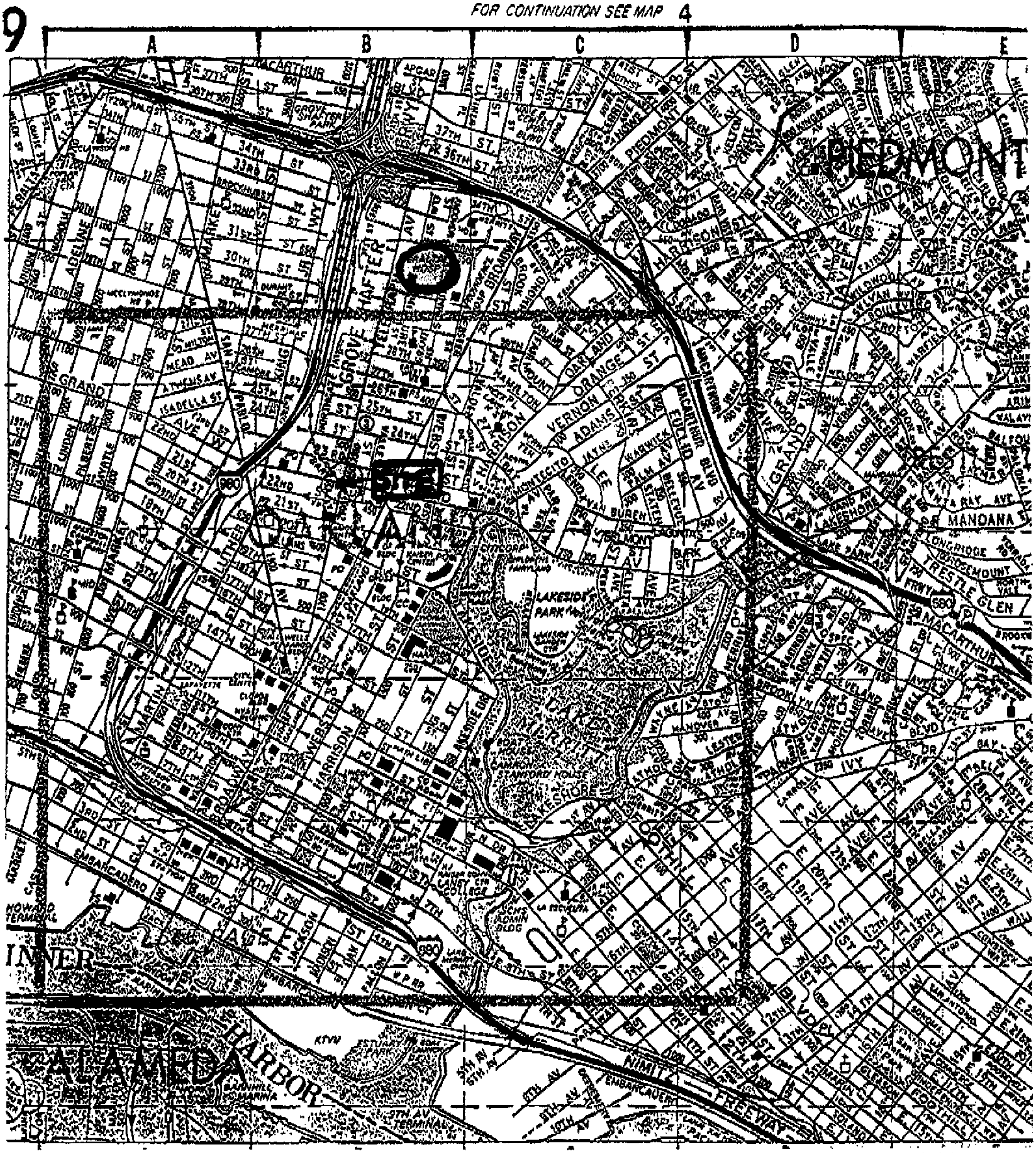
CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ~~ENDEAVOR TO~~ MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, ~~BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.~~

AUTHORIZED REPRESENTATIVE

[signature]

ACORD 25-S (7/90)


FOR CONTINUATION SEE MAP 4
9
A
B
C
D
E
PIEDMONT
MACARTHUR
GRAND
LAKESIDE PARK
SITE
ALAMEDA
HARBOR
EMBARCADERO
NIMITZ
FREEWAY
980
580
880

JOB HAZARD ANALYSIS
UNDERGROUND STORAGE TANK REMOVAL AND/OR EXCAVATION OF SOILS AS A REMEDIAL ACTIVITY

SITE:	Exxon 7-0235
LOCATION:	2225 Telegragh Avenye Oakland, California
TELEPHONE NUMBER:	(510) 832-4000
CLIENT PROJECT MANAGER:	Greg DiMarzo
EA PROJECT NUMBER:	
SCHEDULED WORK DATE:	11 November 1991
SITE SAFETY AND HEALTH SUPERVISOR:	Joshua DeCarl

EMERGENCY ACTION PLAN

The following telephone numbers should be called in case of emergency:

EA Project Manager:	Joshua DeCarl Site Safety Officer (415) 283-7077 (office) (415) 331-6708 (home)
Peralta Hospital:	(510) 451-4900
Fire Department	911
Ambulance	911

Directions from site to the nearest hospital or clinic:

Peralta Hospital is located at 450 30th Street, Oakland, California

Go north on Telegraph to 30 th Street, turn right, Peralta Hospital is located on the left at 450 30th Street..

JOB HAZARD ANALYSIS
UNDERGROUND STORAGE TANK REMOVAL AND/OR EXCAVATION OF SOILS AS A REMEDIAL ACTIVITY

DESCRIPTION OF OPERATIONS

1. Drain and flush piping contents into the tank.
2. Pump all flammable liquids from the tank.
3. Excavate soil until the top of the tank is exposed.
4. Remove the fill (drop) tube from the tank.
5. Disconnect the fill, gauge, product, and vent lines from the tank and plug or cap the open ends of lines which are not to be used.
6. Degas the tank so that no flammable vapors remain using methods preferred by local authorities and/or required by applicable regulations. This should be assured using a combustible gas meter periodically during the removal process. The tank should also be checked prior to transportation to a disposal site.
7. Complete excavation and removal of the tank.
8. Collect samples of excavated materials, followed by handling/disposal of materials.

HAZARD EVALUATION

Chemical Hazards

Gasoline, diesel, and jet fuels are the petroleum products most likely to be the sources of subsurface petroleum hydrocarbons. While the compositions of these fuels vary, they can be generally characterized. California blends typically include 35 to 45 percent aromatics, a few percent olefins, and the remainder saturates. Additives (e.g., ethylene dichloride, ethylene dibromide, tetraethyl lead, and tetramethyl lead) are present in small amounts. Diesel contains primarily paraffins and cycloparaffins in the C_8 to C_21 range and has very low levels of aromatic hydrocarbons. The compositions of jet fuels (Jet A, Jet B, and JP4) are strictly controlled: the major components are paraffins (in the C_5 to C_20 range), less than 25 percent aromatics, and very low levels of olefins.

Although the composition of gasoline varies, the acute effects are reported to be similar for all blends. Exposures to gasoline can occur by either inhalation or dermal contact. Inhaled gasoline

generally acts as an anesthetic and an irritant to mucous membranes. Intoxication, headaches, blurred vision, dizziness, and nausea are the most commonly observed symptoms of exposure. Diesel fuel is not sufficiently volatile to constitute an acute inhalation hazard in unconfined spaces, nor is it readily absorbed through intact skin (but it can penetrate abraded skin). Jet fuels have volatility characteristics between gasoline and diesel but generally do not constitute an acute inhalation hazard. The effects of acute overexposure are dizziness, headache, nausea, palpitation, and pressure in the chest. Dermal contact with gasoline, diesel, or jet fuel can defat the skin, which is noticed as drying of the skin. This can lead to skin irritation, infection, and dermatitis.

When a petroleum fuel is released from a storage tank, the composition of the mixture changes because the components have different physical and chemical properties (i.e., water solubility, volatility, soil adsorption efficiency) which dictate the ability of each component to migrate through the environment. Hence, the risks and hazards associated with the classes of constituents and individual components are generally more applicable when investigating product losses.

- PARAFFINS (alkanes) include n-butane, n-hexane, isobutane, isopentane, and cyclopentane. In general, these compounds have low human toxicity, and there is no evidence that these compounds are mutagenic, teratogenic or carcinogenic. In general, the potential toxicity of paraffins decreases with increasing carbon chain length, and cycloparaffins are less toxic than the equivalent straight-chain paraffin. Exposures to hexane can cause peripheral nerve damage.

- OLEFINS (alkenes) include trans-2-pentene and 2-methyl-2-butene. These compounds have little inherent human toxicity, although effects can occur as a result of exposure to high levels of some olefins.

- AROMATICS of greatest concern are benzene, toluene, xylenes, and ethyl-benzene. Benzene is a human carcinogen, but the others have not been identified as carcinogens. Effects of the aromatics include renal failure and damage to the liver, the central nervous system, and the respiratory tract. Aromatic chemicals can be absorbed through both inhalation and dermal contact.

Flammability and Explosion Hazards

Flammability is a primary hazard associated with petroleum hydrocarbons. The flash points of gasoline, diesel and jet fuel, and aviation fuel are -36 F (high hazard), 100-140 F (moderate hazard), and -50 F (high hazard), respectively. The lower explosive limits are 1.4 percent (14,000 ppm), 0.9 percent, and 0.6 to 1.3 percent, respectively.

Drilling, Tank Removal, and Excavation Hazards

The operation of heavy machinery (e.g., cranes, backhoes) and drilling equipment at these sites places employees and bystanders at risk. Drilling, tank removal, and excavation equipment must be placed in a stable location to avoid the collapse of unstable structures underneath. In addition, to prevent electrocution hazards, this equipment must be located away from underground and above-ground power lines and must not be located in a place that does not present hazards to bystanders due to moving and falling tools and equipment. This area must be demarcated with barriers to prevent bystanders from entering a hazardous zone. Work zones must include adequate buffer zones between the actual work area and the area where normal gasoline station activities are taking place. Standard traffic cones are not generally adequate in this situation, due to their low vertical profile. The taller, 28-inch-high cones can be effectively modified with warning flags and barricade tape. Safety pennants and plastic or steel "A" frame type barricades may also be used in high traffic areas. Barriers demarcating the work zone (including a buffer area) are needed even if the site is inactive during work operations.

No employee shall be permitted underneath loads (e.g., pulled tanks) handled by lifting equipment. Personnel shall be required to stand away from any vehicle being loaded or unloaded to avoid being struck by spillage or falling materials.

Personnel involved in the excavation and tank removal procedures shall follow OSHA's requirements for excavations as found in 29 CFR 1926 Subpart P. No personnel are permitted to enter pits, openings, or holes created by excavation activities, particularly since these openings may have oxygen-deficient or otherwise hazardous atmospheres. If needed, soil samples are to be collected from material removed from the excavation. In excavations in which water accumulates, precautions must be taken to protect employees, including special support or shield systems to protect from cave-in or water removal to control the water level. Personnel must be protected from loose rock, soil, or other materials which may pose hazards by rolling or falling into excavations by placing such materials at least two feet from the excavation edge or by using retaining devices. Barriers shall be provided around the excavation to provide fall protection. Upon work completion, all openings shall be backfilled.

Traffic Hazards

Traffic at gasoline stations, particularly active ones, presents a hazard to personnel involved in conducting UST operations. Barriers must be used to separate the work zone from traffic areas. Employees exposed to public traffic should wear warning vests made of reflectorized or high-visibility material.

Underground Utilities

Contact with buried utilities during excavation surveys presents potential acute hazards to site personnel. At a site, buried lines may include:

- electrical lines
- natural gas/petroleum lines
- product and vapor recovery lines
- communication cables
- sewer, water, and irrigation lines.

The hazards of contacting each type of line varies, but the most serious are the electrical lines (which can result in electrocution), fuel and gas lines (which could result in releases of flammable chemicals), and water lines (which could be under pressure).

Noise Hazards

Heavy operating equipment can create high levels of noise. The results of exposure to these levels vary from discomfort to hearing loss and a permanent ringing in the ears.

Weather Hazards

Underground storage tank removals and/or excavation of soils may have to be conducted under adverse weather conditions, such as rain, cold temperatures, high temperatures, and very high sunlight conditions. During rain and cold weather, crew members should wear waterproof outerwear and/or warm clothing to avoid hypothermia. The signs of hypothermia are sleepiness, numbness, difficulty in movement, failing eyesight, staggering, and unconsciousness. A person suffering from hypothermia should be taken to a warm place, cold or wet clothing should be removed, and warm, dry clothes, and/or blankets should be provided. Working on hot, sunny days can result in dehydration, sunburn, and heat exhaustion. Loose, lightweight, light colored clothing will help avoid these problems. However, shorts cannot be worn during field activities. Frequent breaks and either water or another nonalcoholic beverages should be consumed. (Note: hands and face should be washed prior to drinking.) The signs of heat exhaustion include pale, clammy skin, profuse perspiration, cramps in the limbs or abdominal muscles, and extreme tiredness or weakness. A person suffering from heat exhaustion should be allowed to rest and be given liquids.

EXPOSURE LIMITS AND WARNINGS

Detectable amounts or benzene and some other chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm (as identified under California Proposition 65) may be found in and around the facilities where underground storage tanks are being removed. Adherence to the safety and health procedures addressed here and standard practices are required and should minimize the potential for exposure to these chemicals.

The American Conference of Governmental Industrial Hygienists (ACGIH) established a Threshold Limit Value (TLV) for gasoline of 300 ppm. (A TLV is a time-weighted average concentration for a normal 8-hour workday and a 40-hour work week, to which nearly all workers may be exposed on a daily basis without adverse effects.) Furthermore, ACGIH recommends that an airborne concentration of 500 ppm gasoline not be exceeded for even short periods of time (i.e., 15 minutes). Exxon Company, U.S.A. established a recommended TLV for both gasoline and diesel at 100 ppm. The U.S. Occupational Safety and Health Agency (OSHA) has not established a Permissible Exposure Limit (PEL) for either gasoline or other petroleum fuels.

OSHA set the PEL for benzene at 1 ppm, however gasoline stations have been exempted from this requirement. Other PELs applicable are: 200 ppm toluene; 100 ppm xylenes; 100 ppm ethylbenzene; and 500 ppm hexane.

An ambient air sample taken from the breathing zone (i.e., the area from approximately 1 foot above to 1 foot below the nose) should be taken occasionally and analyzed with the gas chromatograph to measure exposure levels.

SAFETY MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Underground Utilities

To minimize the risk of contacting underground lines and cables, the following steps should be taken prior to removing underground storage tanks:

- Obtain site map and blueprints (including previous station, if rebuilt)
- Contact underground utility clearance service (in Northern California, USAAlert 1-800-642-2444, must be contacted at least two working days in advance of field work)
- Walk the site looking for indications of lines (e.g., pavement cuts and utility pull boxes)

Additional steps can include:

- Meet with client's engineer and contractors on the site
- Use a pipe and cable locator

Flammability Hazards

No smoking is allowed on the site.

Minimize spark-causing activities.

If a vapor sample in the breathing zone contains levels of total volatile hydrocarbons greater than 10 percent of the LEL, all activities at the site should be interrupted, and the site evacuated until levels less than 10 percent of the LEL are measured.

Personal protective equipment must then be worn, including Tyvek and respirators, and work can be resumed as long as concentrations are less than 10 percent of the LEL. When concentrations exceed 10 percent of the LEL, activities will be discontinued, and the site will be evacuated. Work will resume only when TVH concentrations have diminished below 10 percent of the LEL.

Traffic Hazards

Barriers must be used to demarcate the work zone, or a fence must be erected around the exclusion zone (preferably the whole site). Standard traffic cones are generally not adequate due to their low vertical profile. The taller, 28-inch-high cones should be used. Optionally, warning flags and barricade tape can be used with the cones. In high traffic areas, safety pennants and plastic or steel "A" frame type barricades may be used.

When working in areas with heavy traffic, especially in streets adjacent to a site, traffic vests should be worn to increase visibility to drivers.

Personal Protective Equipment (PPE)

Nitrile or polyvinyl alcohol gloves are recommended where contact with petroleum hydrocarbon contaminated soil, contaminated water, or both is anticipated. Steel-toed shoes, hard hat, and hearing protection (either ear plugs or ear muffs) should be used during tank removal. If the concentration of total organic vapors increases in the breathing zone to greater than 10 ppm above background levels of total volatile hydrocarbons or above a chemical-specific TLV, the PPE should escalate to Level C. Personal air purifying respirators with combination organic and high efficiency particle filters (HEPA) should be worn along with Saran-coated tyvek coveralls and boot covers.

Other Safety Equipment Materials

The safety equipment and materials that must be present on the site are:

- ABC-type fire extinguisher
- Eye wash kit
- First aid kit
- Drinking water

Personnel must be trained in the proper use of equipment.

Decontamination

Contaminated PPE will be placed in appropriate containers for disposal. Nondisposable PPE will be washed with trisodium phosphate detergent and rinsed with distilled water. All monitoring equipment will be cleaned according to instrument instructions.

Work Zones

Optimally, the exclusion zone should be at least the area within 100 feet of the active tank pit site. This area may have to be changed based on site conditions, but it always will be made as large as possible. It should be marked by yellow warning tape, barriers, or cones to demarcate it for others. The contamination reduction zone is the area just outside of the exclusion zone.

Training

Site personnel should have completed a 40-hour hazardous waste operations training course, including CPR and first aid. Training for respirator use and maintenance needs to be completed prior to field work.

SAFE WORK PRACTICES

Smoking, eating, drinking, and chewing either tobacco or gum is prohibited in the exclusion zone.

Prior to initiating work at the site, the site health and safety supervisor must identify the nearest sanitation facility.

Potential ignition sources must be minimized.

EA and subcontractor vehicles must not be parked in locations that block fire hydrants, access to emergency equipment, or exits from buildings.

Site personnel must wash hands and face prior to leaving the site. If drinking water is not available at the site, potable water must be provided.

Personnel on the site must use the buddy system (that is, a minimum of two people need to be within the exclusion or support zone during active drilling).

Prescription drugs must not be taken unless specifically approved by a physician who understands the nature of the work exposure.

First aid treatment will be administered by trained personnel.

When respirators are required, facial hair that interferes with the face-to-facepiece fit will not be allowed.

Contact lenses are not permitted.

Loose clothing, including dangling hoods, belts, and cords, will not be worn within the exclusion zone.

During hot or cold weather, regular rest breaks should be taken to avoid temperature-related stress. Nonalcoholic beverages should be taken to avoid dehydration.

October 29, 1991

TO: Paul Smith

FROM: Greg Demarzo

SUBJECT: Exxon RAS #7-0235
2225 Telegraph Ave.
Oakland, CA 94612

"Missing info" from tnak closure and installation plan:

TANK CLOSURE: #5. Exxon Co., U.S.A.
#6. Walton Engineering
837 Riske Lane
West Sacramento, CA 95691
(916) 372-1888 Contact: Randy Rogers
Licence Type: A-HAZ
ID #: 617238, expires 4/30/93
#12. State Certification # 1342
#16. Table #2 Recommendations will be followed.
#18-G. Contractor will supply, insure: California Compensation
NOTE: Contractor's signature attached.

TANK INSTALLATION: #6. See above.
#7. Randy Rogers
(916) 372-1888
Project Manager

Darlene Sager (CMC):

Please find attached a copy of "FORM C" (NEW) for UST registration in California. (RAS # 7-0235)

Greg DeMarzo
CONCORD CA

GD/ss
1624E

990-0072-2D
MEMORANDUM

TO	SUBJECT	
MR. PAUL SMITH - ALAMEDA CO. ENVIRONMENTAL HEALTH	RAS # 7-0335 2225 TELEGRAPH AVE OAKLAND	
FROM	**DATE**	**FILE NO.**
GREG DEMARTO - EXXON	11/2/91	7-0335

PAUL:

PLEASE FIND ATTACHED "FORM C" FOR SUBJECT STATION.

SHOULD YOU REQUIRE ADDITIONAL INFORMATION, PLEASE CONTACT ME.

THANK YOU,

Greg DeMarco

SAFETYISFOREVERYONEEVERYYEAR

UGT FACILITY INFORMATION - FORM A dated Pages 1&2-Fac., 3&4-Tanks
<F7>-<F8> for next

StID:1039 FINANCIAL RESP. EXPIRES:
FACILITY:Exxon R/S #7-0235 FAC.STATUS: C
Address 2225 Telegraph Ave Ste: NUMB TANKS: 4
CityZip Oakland CA 94612 STATE FAC#: 16114
Name of Operator Exxon Company, U. S. A. DATE-LAST-INSP: 04/14/95
Phone # 415-832-4000

EMERG. CONTACTS NAMES: FACILITY PERMIT INFO: BILLING INFORMATION
D:Lam Truong State Appl. Date: 09/16/91 Began Billing: 06/16/88
Day Ph: 415-832-4000 Permit Issued : Bill Acct # : T91024
N: Permit Expires :
NitePh: 408-268-2637 Prev.Permit Issu: 04/20/95 STATE SURCHARGE DATES

Billing Address: P O Box 4386 State SurChg Pd: 12/20/96
Houston TX 77210 Next SurChg Due: 09/16/01

PERM.HIST.: 4 usts (KT). To billing 11/25/96 to rebill state fees (period: 6/96 to 6/01. Old permit 09/06/88. Removed & installed 4UST 08/91. A
x /B forms submitted 12/94

STAT: C=Current F=need FORMS B=Bill R=Removed E=Exempt -06/26/97-(Pg 1 of 4)
[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
Form: UGTLook Table: UGTlist Field: Insp Page: 1

UGT FACILITY INFORMATION - FORM A dated Pages 1&2-Fac., 3&4-Tanks
<F7>-<F8> for next

StID:1039 FINANCIAL RESP. EXPIRES:
FACILITY:Exxon R/S #7-0235 FAC.STATUS: C
Address 2225 Telegraph Ave Ste: NUMB TANKS: 4
CityZip Oakland CA 94612 STATE FAC#: 16114
Name of Operator Exxon Company, U. S. A. DATE-LAST-INSP: 04/14/95
Phone # 415-832-4000

EMERG. CONTACTS NAMES: FACILITY PERMIT INFO: BILLING INFORMATION
D:Lam Truong State Appl. Date: 09/16/91 Began Billing: 06/16/88
Day Ph: 415-832-4000 Permit Issued : Bill Acct # : T91024
N: Permit Expires :
NitePh: 408-268-2637 Prev.Permit Issu: 04/20/95 STATE SURCHARGE DATES

Billing Address: P O Box 4386 State SurChg Pd: 12/20/96
Houston TX 77210 Next SurChg Due: 09/16/01

PERM.HIST.: 4 usts (KT). To billing 11/25/96 to rebill state fees (period: 6/96 to 6/01. Old permit 09/06/88. Removed & installed 4UST 08/91. A
x /B forms submitted 12/94

STAT: C=Current F=need FORMS B=Bill R=Removed E=Exempt -06/26/97-(Pg 1 of 4)
[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
Form: UGTLook Table: UGTlist Field: Insp Page: 1

UGT TANK INFORMATION - FORM B dated Pages 1&2-Fac., 3&4-Tanks
<F7>-<F8> for next

StID: 1039 Exxon R/S #7-0235
Status : C
State Fac#: 16114 TOTAL # Tanks:4 STATE APPL.DATE: 09/16/91

ROBERT H. LEE & ASSOCIATES, INC.
900 Larkspur Landing Circle
Suite 125
LARKSPUR, CALIFORNIA 94939

(415) 461-8890
FAX (415) 461-8678

LETTER OF TRANSMITTAL

DATE	JOB NO.
8-27-91	4243.00

ATTENTION MR. TOUNG FONG

RE: EXXON SERVICE STATION #7-0235
2225 TELEGRAPH AVE.
OAKLAND, CALIFORNIA

TANK FIELD REPLACEMENT

TO ALAMEDA COUNTY
ENVIRONMENTAL HEALTH

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☒ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
3			TANK CLOSURE PLAN
3			TANK INSTALLATION PLAN
3			SET OF DRAWINGS
1		10818	CHECK FOR FEES $2148.00
1			STATE A&B FORMS
1			SITE SAFETY PLAN
1			EQUIPMENT CUT SHEETS

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19_____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS MR. FONG

PLEASE FIND ENCLOSED A TANK REMOVAL/REPLACEMENT PACKAGE FOR THE ABOVE MENTIONED STATION. FEEL FREE TO CALL WITH ANY QUESTIONS OR COMMENTS YOU MIGHT HAVE.

THANKS,

COPY TO _____

SIGNED: Robert McCormick

If enclosures are not as noted, kindly notify us at once.

The deficiencies which needed to be addressed are as follows re the removal plan

1. list Generator name which tanks will be manifested under
2. Contractor
3. If soil is to be returned to excavation stockpile sampling must be taken 4 samples → 1/20 yd^3.
4. ~~Approval for~~ [illegible] to be [illegible] for total Pb.
5. Run waste oil tanks for 5 TCAP or PP metals
6. 1 sample will be taken underneath former dispenser & at each 20 lineal feet
7. need ins. cert from Contractor
8. Signature of Contractor
9. H & S plan needs to deal with name of medical facility ~~site security measures~~ respiratory protection

Send Form C to Greg.

Texaco Refining
and Marketing Inc

108 Cutting Boulevard
Richmond CA 94804

April 15, 1991

Mr. Rafat Shahid
Alameda County Environmental
Health Department
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Shahid:

Enclosed is a copy of our Quarterly Technical Report dated March 6, 1991 for our former Texaco Service Station located at 2225 Telegraph Avenue in Oakland, California. This report covers the period from October through December, 1990.

Please call me at (415) 236-1770 if you have any questions.

Very truly yours,

R.R. Zielinski
Environmental Supervisor

Enclosures

cc: Mr. Tom Callaghan
California Regional Water
Quality Control Board
San Francisco Bay Area Region
2101 Webster Street, Ste. 500
Oakland, CA 94612

pr:

KEG

2225TA.RS

TEXACO REFINING AND MARKETING INC.
100 CUTTING BOULEVARD
RICHMOND CA 94804

October 11, 1990

Alameda County Health Services Agency
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, California 94621

Attention: Mr. Paul M. Smith

Gentlemen:

Former Texaco Service Station
2225 Telegraph Avenue
Oakland, California

In response to your request dated September 18, 1990, we have enclosed with this letter a copy of a report prepared by Harding Lawson Associates. This is a Quarterly Technical Report (QTR) for the second quarter of 1990 in connection with soil and groundwater studies at a former Texaco Service Station at 2225 Telegraph Avenue in Oakland, California. This QTR summarizes activities conducted from May, 1988 (when environmental investigations began at this site) through June, 1990. The results of chemical analyses performed since September, 1989 are presented in Tables 3,4, and 5 of the QTR.

Since June, 1990, the following activities have been performed at the site:

1. Completed fabrication of groundwater treatment system.

2. Awarded bid for installation of groundwater collection system.

3. Obtained City of Oakland permits for installation of groundwater collection and treatment system.

4. Excavated trenches and installed electrical conduits, double-contained groundwater extraction lines, and sewer discharge lines.

5. Transported groundwater treatment system to site and installed it on a concrete pad.

The Following activities are currently scheduled:

October 9, 1990 - Start-up the extraction and treatment system, with discharge of treated water to an above-ground tank. The system will be monitored according to the schedule presented in Table 1, attached.

October 16, 1990 - Upon receiving approval from East Bay Utility District under Wastewater Discharge Permit No. 001-00007, the contents of the tank will be discharged to the sanitary sewer and the treatment system will be directly connected to the sewer discharge line.

Water levels will be periodically measured in monitoring wells to evaluate the effectiveness of the groundwater extraction system.

If you have questions, please call me at (415) 236-1770.

Sincerely,

R.R. Zielinski
Field Environmental Supervisor

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

September 18, 1990

Mr. R.R. Zeilinski
Texaco Refining & Marketing Inc.
100 Cutting Blvd.
Richmond, CA 94804

RE: Former Texaco at 2225 Telegraph Ave., Oakland 94612

Dear Mr. Zeilinski:

Upon reviewing the quarterly monitoring reports, some question was raised as to the disposition of the groundwater extraction and filtration effort taking place relating to the above site.

I have recently taken over this case from Dennis Byrne and would appreciate an update detailing the current status of the cleanup effort occurring at this site. Please submit to this office:

A summary of all work on this project completed since the approval letter was issued by our office on January 11, 1990.

A proposed time schedule for future work on this project.

Any analytical lab results from sampling since September 1989.

You are requested to **respond to the above requests within 30 days** of the receipt of this letter. If you have any questions please contact me at (415) 271-4320.

Sincerely,

Paul M. Smith

Paul M. Smith
Hazardous Materials Specialist

cc:
Michael A. Sides/ Randolf Stone, Harding Lawson & Associates
Gil Jensen, Alameda County District Attorney, Office of Consumer and Environmental Affairs
Lester Feldman, SFRWQCB

Dennis

ALAM[redacted]COUNTY
HEAL[redacted]CARE SERVICES
AGENCY
DAVID J. KEARS, Director

Telephone Number: (415)

Certification Number P062 127 912

23 March 1990

R.R. Zielinski
Texaco Refining and Marketing Incorporated
100 Cutting Boulevard
Richmond, CA 94804

Subject: Ground Water Remediation at 2225 Telegraph Avenue, Oakland.

Dear Mr. Zielinski:

A review of our records indicate that no deposit has been submitted in regards to the ground water remediation project being conducted at the location listed above. Please submit to our office a check made payable to the County of Alameda for $831.00.

This deposit is authorized by Section 3-141.6 of the Ordinance Code of the County of Alameda and is used to cover expenses incurred by Alameda County personnel in the discharge of their oversight duties associated with this project. Records are maintained of the time County employees commit to a project and the deposit is charged at an hourly rate. Upon the completion of the project the balance of the deposit will be returned to you.

In accordance with Section 3-141.6 (a) of the Ordinance Code of the County of Alameda, we request that this deposit be paid within ten days of the date upon which you receive this notification. Failure to meet this deadline will void all prior approval and render any further construction or remedial activity at this site unlawful.

If you have any questions concerning this matter, please call me at (415) 271-4320.

Sincerely,

Dennis J. Byrne

Dennis J. Byrne
Hazardous Materials Specialist

cc: Mark Thompson, Alameda County District Attorney's Office, Consumer and Environmental Protection Division
Lester Feldman, SFBRWQCB
Rafat Shahid, Assistant Director, Alameda County Department of Environmental Health.
Dan Henniger, Harding Lawson Associates.

P 062 127 912

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Street and No.	
P.O., State and ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$
Postmark or Date	

PS Form 3800, June 1985

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

11 January 1990

R.R. Zielinski
Texaco Refining and Marketing Incorporated
100 Cutting Boulevard
Richmond, CA 94804

Subject: Proposed Remedial Action at **2225 Telegraph Avenue, Oakland.**

Dear Mr. Zielinski:

This office has received and reviewed two documents relating to the above listed property. The first was a proposal for the implementation of a ground water treatment program and the second was a Quarterly Technical Report for the third quarter of 1989. Both of these documents were prepared by Harding Lawson Associates. It is the opinion of the Alameda County Department of Environmental Health, Hazardous Materials Division, that the lateral extent of the hydrocarbon contaminant plume associated with this site has been adequately defined and that the water treatment actions and cleanup goals specified in the remedial plan are appropriate. Consequently, **approval is granted for the implementation of the ground water treatment process described in the Harding Lawson proposal dated 30 November 1989,** pending the issuance of a discharge permit by the East Bay Municipal Utilities District.

If you have any questions concerning this matter, please contact me at (415) 271-4320.

Sincerely,

Dennis J. Byrne

Dennis J. Byrne
Hazardous Materials Specialist

cc: Mark Thompson, Alameda County District Attorney's Office, Consumer and Environmental Protection Agency.
Lester Feldman, SFBRWQCB
Randolph Stone, Harding Lawson Associates

89 DEC 18 AM 10:45

TEXACO REFINING AND MARKETING INC.
100 CUTTING BOULEVARD
RICHMOND CA 94804

December 12, 1989

Ms. Dyan Whyte
San Francisco Regional Water Quality Control Board
1111 Jackson Street, Room 6000
Oakland, CA 94607

Dear Ms. Whyte:

Enclosed is a copy of our Ground-water Remediation Plan dated November 30, 1989 for our former Texaco service station located at 2225 Telegraph Avenue in Oakland California.

We previously conducted a soil and ground-water investigation at this site that resulted in the delineation of a dissolved gasoline plume in the ground water. Concentrations of petroleum hydrocarbons in the plume exceed action levels established by the California Department of Health Services. The purpose of this remediation plan is to outline a program that will **remediate the dissolved gasoline plume** on site while maintaining hydraulic control of the shallow ground water in the site vicinity. Specifically, we propose to: extract ground water using three on-site recovery wells, treat the extracted water through contact with granular-activated carbon, and discharge the clean, treated water into the Oakland sanitary sewer system.

Please call me at (415)236-1770 if you have any questions.

Very truly yours,

R.R. ZIELINSKI
Field Environmental
Supervisor

RRZ:cz

Enclosure

cc: Mr. Rafat Shahid
Alameda County Environmental Health Department
80 Swan Way, Room 200
Oakland, CA 94621

RR

Tel con with Pat Donahue of Texaco 3/27/89

Unaware of release regarding 2225 Telegraph

500 Grand resulted from detection of BTXE in groundwater.

Additional wells drilled "across the street" during the week of 3/20. Data not yet available,

Report to be submitted regarding this incident

7.4 Benz, 2.3 Xylenes 7/5/88

P test (+) 6/30/88

Bill Lance Exxon Environmental contact

TEXACO

Form G.6

RICHMOND CA. 3-27-89

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY
OAKLAND, CA. 94621

RE:- SITE INVESTIGATIONS

ATT:- DENNIS BYRNE

IN LINE WITH PHONE CONVERSATION THIS DATE, ATTACHED FIND INFORMATION ON THE FOLLOWING:-

500 GRAND, OAKLAND, CA.
1. TRANSMITTAL LETTER FOR UNAUTHORISED LEAK REPORT.
2. INITIAL REPORT FROM CONSULTANT
3. FOLLOW UP REPORT ON ADDITIONAL WELLS

7326 TELEGRAPH, OAKLAND, CA.
1. TRANSMITTAL LETTER FOR "UNAUTHORISED LEAK REPORT
2. INITIAL REPORT FROM THE CONSULTANT.

WE WILL KEEP YOU APPRISED ON A QUARTERLY BASIS.

R K Zielinski
RK ZIELINSKI

white	-env.health
yellow	-facility
pink	-files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

I

Site ID# ______ Site Name ______________________ Today's Date 3/17/87

Site Address 2225 Telegraph Ave EPA ID# ________

City Oakland Zip 94612 Phone ________

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month?

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
✓ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

Section	Item	Code
	___ 1. Waste ID	* 66471
	___ 2. EPA ID	66472
	___ 3. > 90 days	66508
	___ 4. Label dates	66508
	___ 5. Biennial	66493
Manifest	___ 6. Records	66492
Manifest	___ 7. Correct	66484
Manifest	___ 8. Copy sent	66492
Manifest	___ 9. Exception	66484
Manifest	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
Misc.	___ 12. On-site Disp. (H.S.&C.)	26189.5
Misc.	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
Prevention	___ 15. Aisle Space	67124
Prevention	___ 16. Local Authority	67126
Prevention	___ 17. Maintenance	67120
Prevention	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
Contin. gency	___ 20. Name List	67141
Contin. gency	___ 21. Copies	67141
Contin. gency	___ 22. Emg. Coord. Trng.	67144
Containers, Tanks	___ 23. Condition	67241
Containers, Tanks	___ 24. Compatibility	67242
Containers, Tanks	___ 25. Maintenance	67243
Containers, Tanks	___ 26. Inspection	67244
Containers, Tanks	___ 27. Buffer Zone	67246
Containers, Tanks	___ 28. Tank Inspection	67259
Containers, Tanks	___ 29. Containment	67245
Containers, Tanks	___ 30. Safe Storage	67261
Containers, Tanks	___ 31. Freeboard	67257

I.B TRANSPORTER (Title 22)

Section	Item	Code
	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
Manifest	___ 36. EPA ID #s	66531
Manifest	___ 37. Correct	66541
Manifest	___ 38. HW Delivery	66543
Manifest	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
Cont'rs	___ 41. Recyclables	66800

Comments:

Manager
Said [illegible] company had no
idea of what I was talking
about, had not seen the letter
John Cox w/ Exxon Engineering
is supposed to be calling me

Rev 6/88

Contact: ______________________

Title: ______________________

Signature: ______________________

Inspector: [illegible]

Signature: [illegible]