

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

January 28, 2007

Mr. Bahram Sazegar
California Department of Transportation
Office of Environmental Engineering
111 Grand Avenue
Oakland, CA 94612

General Motors Corporation
300 Renaissance Center
Detroit, MI 48265

Subject: Fuel Leak Case Number RO000225, Cal Trans, 555 Hegenberger Road, Oakland, CA

Dear Mr. Sazegar:

Alameda County Environmental Health (ACEH) staff has received a request for a schedule extension for the above-referenced fuel leak case in an email dated December 18, 2006 from John Love of Geocon Consultants Inc. In correspondence dated December 12, 2006, ACEH requested that you submit a Work Plan and updated Preferential Pathway Study that details your proposal to determine the extent of offsite soil and groundwater contamination. Subsequently, in a correspondence dated December 18, 2006, John Love of Geocon Consultants Inc. requests a four-month extension in order to resolve issues associated with the case.

A four-month extension prior to proceeding with the submission of a work plan is not acceptable. However, we will allow a 60-day period to resolve any issues and provide ACEH with a Work Plan and updated Preferential Pathway Study according to the schedule outlined in the Technical Report Request below. Therefore, we request that perform the proposed work and send us the reports described below.

TECHNICAL REPORT REQUEST

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

- **April 1, 2007** – Updated Preferential Pathway Study with Work Plan for Additional Soil and Groundwater Investigation

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

Effective **January 31, 2006**, 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).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at <mailto:steven.plunkett@acgov.org>.

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.

Mr. Bahram Sazegar
January 25, 2007
Page 3

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

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: John Love
Geocon Consultants, Inc.
2356 Research Drive.
Livermore, CA 94550-3848

Donna Drogos, ACEH
Steven Plunkett, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

December 13, 2006

Mr. Bahram Sazegar
California Department of Transportation
Office of Environmental Engineering
111 Grand Avenue
Oakland, CA 94612

General Motors Corporation
300 Renaissance Center
Detroit, MI 48265

Subject: Fuel Leak Case Number [REDACTED] Cal Trans, 555 Hegenberger Road, Oakland, CA

Dear Mr. Sazegar:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site and the documents entitled, "2005 Annual Groundwater Monitoring Report", and "Low Risk Case Closure Summary Report", dated June 2005 and June 2006, respectively. The most recent groundwater analytical data from May 2005 detected elevated concentrations of 6,200 µg/L TPHg and 1,000 µg/L Benzene downgradient of the site in MW-3.

Based on ACEH staff review of the documents referenced above, we request that you 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. 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. Of particular concern is the identification of abandoned wells and improperly destroyed wells that can act as vertical conduits to deeper water bearing zones, pumping wells in the vicinity of your site and manmade conduits for shallow migration. In addition, approximately 100 meters from the former UST location to the southwest is an un-named slough runs through the site. The slough is in direct communication with the waters of San Francisco Bay, which is a sensitive aquatic habitat.

We request that you update your preferential pathway study for the site to evaluate whether any migration pathways or potential conduits (wells, utilities, pipelines, etc.) for horizontal and vertical migration may be present in the vicinity of the site. Discuss your analysis and interpretation of the results of the preferential pathway study (including the detailed well

survey and utility survey requested below) and report your results in the Well Installation Report requested below. Include an evaluation of the probability of the dissolved phase and NAPL plumes for all constituents of concern encountering preferential pathways and conduits that could spread the contamination, particularly in the vertical direction to deeper aquifers. The results of your study shall contain all information required by 23 CCR, Section 2654(b).

a) **Utility Survey**

An evaluation of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s) is required as part of your study. Submittal of map(s) and cross-sections showing the location and depth of all utility lines and trenches within and near the site and plume area(s) is required as part of your study. In addition, the most recent preferential pathway study was completed in 1994. Considering redevelopment activities and land use changes, it will be necessary to update the initial study with a more current evaluation of potential migration pathways. Please present the results from your evaluation in the preferential pathway study in the report requested below.

b) **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 ½ mile radius of the subject site. During our review of the Low Risk Case Closure Summary Report, ACEH found the well survey component of the preferential pathway survey to be missing from the Case Closure Summary Report. 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.

2. **Off Site Soil and Groundwater Characterization.** Based on the occurrence of dissolved phase petroleum hydrocarbon in off site monitoring well MW-3, ACEH has concluded that characterization of this site is not complete. Therefore, you are required to conduct additional off-site investigation to determine the extent of plume migration, combined with groundwater monitoring in order to reach site closure. Furthermore, because of the lack of offsite data, only one soil boring down gradient with minor concentrations of TPHg, combined with the linear separation between data points of over 80 feet, it is possible the soil boring locations did not intersect the petroleum hydrocarbon contamination. ACEH concurs with Geocon Consultants Inc. determination that additional off-site investigation is essential to adequately characterize dissolved petroleum hydrocarbon plume contamination downgradient of the site.

The lateral vertical extent of soil and groundwater contamination off site has not been fully defined. Soil borings BH-8 and BH-9 extend to depths 15 feet bgs., which may not be deep enough to intersect any underlying water bearing units. Review of the soil boring data for

MW-2, MW-3 and MW-4 indicate there may be a more permeable unit at approximately 17.5 to 21.5 feet bgs., which may be acting as a conduit for off site plume migration. Furthermore, contamination migration appears to be consistent with the projected groundwater gradient, toward the west/northwest. These conclusions confirm that further off site investigation is needed to define the extent of contamination down gradient of the site.

The Work Plan requested below is to include plans to characterize petroleum hydrocarbon concentrations in groundwater within the shallow groundwater zone and possible deeper water-bearing zones. We request that you use detailed hydrogeologic cross sections to determine the appropriate location and design for monitoring wells that are needed to appropriately characterize the three-dimensional extent of soil and groundwater contamination down gradient of the site. To appropriately evaluate your site, the monitoring wells will need to be screened in the permeable zones with screen lengths that match the stratigraphic sequence. Please include the above information in the Work Plan requested below.

- 3. Groundwater Sampling and Analysis.** ACEH requests that all groundwater samples collected 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 in the Soil and Groundwater Investigation Report requested below.
- 4. Soil Sampling and Analysis.** During the soil boring installation, soil samples should be screened with a PID and examined for visible staining and hydrocarbon odor. If any interval where staining, odor, or elevated PID readings occur a soil sample is to be collected and submitted for laboratory analysis. If no staining, odor, or elevated PID readings are observed, soil sample are to be collected from each boring at the capillary fringe, where groundwater is first encountered, changes in lithology, and at ten foot intervals until total depth of the boring is reached. Additionally, groundwater samples are to be collected at the capillary fringe and at depth discrete intervals as determined by the soil boring data.

ACEH requests that all samples soil samples collected below 5 feet bgs 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 in the Soil and Groundwater Investigation Report requested below.

- 5. Geotracker EDF Submittals** – A review of the case file and the State Water Resources Control Board's (SWRCB) Geotracker website indicate you have not claimed your site and that electronic copies of analytical data have not been submitted for your site. Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collected groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). In order to remain in

regulatory compliance, please upload all analytical data (collected on or after September 1, 2001), to the SWRCB's Geotracker database website in accordance with the above-cited regulation. Please perform the electronic submittals for applicable data and submit verification to this Agency by **January 15, 2007**.

TECHNICAL REPORT REQUEST

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

- **January 15, 2007** – Updated Preferential Pathway Study with Work Plan for Additional Soil and Groundwater Investigation

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

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In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at steven.plunkett@acgov.org.

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.

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: John Love
Geocon Consultants, Inc.
2356 Research Drive.
Livermore, CA 94550-3848

Donna Drogos, ACEH
Steven Plunkett, ACEH
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

December 19, 2002

Mr. Bahram Sazegar
California DOT
P.O. Box 23660
Oakland, CA 94623-0660

Dear Mr. Sazegar:

Subject: Fuel Leak Case RO0000225, 555 Hegenberger Rd., Oakland, CA 94621

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the third quarter 2002 monitoring report for the referenced site. Monitoring results appear consistent with past results, indicating a TPHg, BTEX plume, which has migrated westerly from the former tank pit. MW3 continues to exhibit the highest TPHg and benzene concentration. Our office has the following technical comments:

- Our office concurs with the continuance of semi-annual monitoring for this site. Please try to maintain consistency in your monitoring, as it is noticed that this schedule has not been strictly adhered to the past year.
- Our office concurs with the discontinuance of the analysis of TPHd given the low levels seen in the past monitoring events. However, we do not concur with the conclusion that reported TPHd is the result of high boilers in the TPHg range.
- If the wells have not been surveyed by GPS for transmitting to the Geotracker Program, they should be.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

✓ C: B. Chan, files
Mr. F. Poss, PSI, 4703 Tidewater Ave., Suite B, Oakland, CA 94601
Mon555HegRd

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

December 6, 2002

Mr. Jafar Rudsari
Department of Transportation
Box 23660
Oakland, CA 94623-0660

Dear Mr. Rudsari:

Subject: Fuel Leak Case **RC0000225**, Former Maintenance Station, 555 Hegenberger Rd.,
Oakland, CA 94621

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the July 2002 Limited Soil and Groundwater Investigation and Fourth Quarter 2001 Semi-Annual Groundwater Monitoring and Sampling Report prepared by Geocon Consultants. This review follows our recent conversation regarding your inquiry on the status of the site. I believe you stated that the first 2002 semi-annual monitoring report for this site was going to be sent to our office shortly. Based upon my review of this report, I offer the following technical comments and observations:

- Soil samples from only two of the four investigative borings were analyzed for the proposed chemical compounds. One of the two soil samples was from the boring located within the former tank pit, which would constitute backfill material. What was the reason for this?
- Based upon the historical monitoring results, MTBE may not be a chemical of concern, however, it was detected by EPA Method 8020 and should be confirmed by EPA Method 8260. Our office recommends the analysis of MTBE in the groundwater sample from MW-3 (only) using EPA Method 8260. In addition, the other oxygenates TAME, ETBE, DIPE and TBA as well as EDB and EDC should also be run by this method on this sample.
- Our office recommends, at a minimum, the completion of semi-annual monitoring for 2002, prior to evaluating the site for case closure. Prior to closure recommendation, you should perform/provide the following: a sensitive receptor survey (wells, surface water and utilities), human health and ecological risk assessment, gradient flow (rose) diagram and historical depth to water table. Your risk assessment should be consistent with the City of Oakland Urban Land Redevelopment Guidance Document and the SFRWQCB RBSL document. Please be aware that a particle size analysis is recommended to verify soil type when using the City of Oakland Guidance Document.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

✓ C: B. Chan, files

Mr. R. Day, Geocon Consultants, 2356 Research Drive, Livermore, CA 94550-3848

555HegRdcomment

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



December 3, 2001
StID#2189/RO0000225

Mr. Aaron Bennett
Department of Transportation
Box 23660
Oakland CA 94623-0660

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

**Re: Work Plan for Soil and Groundwater Investigation and Semi-Annual
Monitoring and Sampling, 555 Hegenberger Rd., Oakland CA 94621**

Dear Mr. Bennett:

Our office has received and reviewed the November 21, 2001 referenced work plan for the former Cal Trans Maintenance facility. This work plan was requested in my August 8, 2001 letter to Ms. Frances Maroni of your office. As you are aware, four borings are proposed to determine the limits of the petroleum contaminant release from the former gasoline and diesel tanks at this site. Two of the borings are proposed off-site, down-gradient of the former tanks on the GMC property. In addition, an up-gradient boring and a boring within the former tank pit will attempt to clarify if off-site sources exist and whether a significant source remains within the tank pit. Soil and grab groundwater samples will be collected from each boring. These samples will be analyzed for Total Petroleum Hydrocarbons as diesel and as gasoline, BTEX and MTBE. If the volatile compounds BTEX or MTBE are detected by EPA 8020, EPA Method 8260 will be run on the sample.

Immediately after this investigation, a semi-annual monitoring event will be performed on the existing five (5) monitoring wells. A cumulative report will be prepared for this work. This work plan is approved. Please continue semi-annual monitoring once this scheduled monitoring event occurs.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C. B. Chan, files

Mr. M. Hanko, Geocon Consultants, 2356 Research Drive, Livermore, CA 94550-3848
Mr. G. Keith West, GMC, Argonaut "A"-1004 H, 485 W. Milwaukee Ave., Detroit,
MI 48202

Wpap555HegRd

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



August 8, 2001
StID # 2189/ RO0000225

Ms. Frances Maroni
Department of Transportation
Box 23660
Oakland CA 94623-0660

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

**Re: Request for Work Plan for Additional Site Investigation at 555 Hegenberger Rd.,
Oakland CA, 94621, former Maintenance Station**

Dear Ms. Maroni:

Our office has received and reviewed the June 2001 Semi-Annual Groundwater Monitoring Report for the First Quarter 2001 for the above referenced former Cal Trans Maintenance facility. This is the first semi-annual monitoring event since the 2/18/98 event. Several observations can be made from this report, including the following:

- Groundwater gradient appeared to have a radial flow pattern emanating from MW1, however, it appears that there is a predominant northwesterly gradient.
- MTBE was not detected using EPA Method 8260, therefore, it does not appear to be a contaminant of concern.
- Groundwater TPH concentrations have not stabilized. This may be an indication that a contaminant source remains at the site.
- Further site characterization as previously recommended and concurred by our office is necessary to determine the extent of the groundwater plume. Our office recommends additional groundwater sampling up-gradient, down-gradient and within the former underground tank pit. Temporary borings may be more cost effective at this time.

Please submit a work plan for additional site characterization within 45 days or no later than September 21, 2001.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. Ross White, Geocon Consultants, Inc., 11375 Sunrise Park Drive, Suite 100, Rancho Cordova, CA 95742

Wprq555HegRd

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)

August 4, 1999
StID # 2189

Mr. Christopher Wilson
Dept. of Transportation
Box 23660
Oakland CA 94623-0660

**Re: Request for Technical Reports for 555 Hegenberger Rd., Oakland CA 94621
Former Cal Trans Maintenance Facility**

Dear Mr. Wilson:

Our office last corresponded with you in my July 31, 1998 letter, which commented on the June 1998 Groundwater Monitoring Report prepared by Geocon, your consultant. Your July 28, 1998 letter accompanied this report. Your letter stated that there appeared to be very little attenuation in groundwater concentrations, the presence of the oxygenate MTBE was puzzling due to the age of the removed tanks and there appeared to be a threat of up-gradient contamination from two operating gasoline stations. Your recommendation was to collect soil and groundwater samples on the eastern perimeter of the site to determine if there really was an up-gradient source.

In my July 31, 1998 letter (copy enclosed), I also recognized that groundwater concentrations had not stabilized. It appeared that conditions were not optimal for natural aerobic bio-degradation. The dissolved oxygen and oxidation-reduction potential were not as high or positive as one would like to see. I had previously recommended the addition of oxygen to groundwater, perhaps via oxygen releasing compound. My observation regarding the elevated petroleum concentration was that there appeared to be increasing concentration with elevated groundwater levels, although there wasn't enough monitoring data to "prove" this. My theory regarding the MTBE reported in the 2/98 event was that it should be verified using a GC/MS analytical method. MTBE at low concentrations often is mistakenly identified when using EPA Method 8020 since there is overlap of gasoline constituents in the MTBE range. Lastly, I requested that you adhere to semi-annual monitoring.

Your consultant recommended that additional monitoring wells be installed to further define the lateral extent of the dissolved petroleum plume and to evaluate the potential for contributory off-site sources. This would infer that both up and down-gradient wells should be installed. They further recommended that future monitoring include geochemical analysis for the evaluation of bio-remediation.

To date, our office has not received any reports subsequent to the **June 1998 Groundwater Monitoring Report**. Please submit a semi-annual monitoring report(s) to our office **within 45 days or no later than September 20, 1999**. Please insure that MTBE is confirmed using a GC/MS technique. In theory, you should have sampled the wells twice according to a semi-annual schedule since the February 1998 sampling event. In addition, please submit a work plan

Mr. C. Wilson
StID # 2189
555 Hegenberger Rd.
August 4, 1999
Page 2.

to determine the extent of the petroleum plume. This should include, at a minimum, down-gradient wells. You may also wish to include up-gradient borings, the analysis of bio-remediation parameters in existing wells and the addition of oxygen releasing compound. Please note that the "up-gradient" gasoline stations identified in your letter, Shell and ARCO, have determined their site specific groundwater gradient to be north-northeasterly. Thus, they might dispute that they are "up-gradient".

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. John Juhrend, Geocon Environmental Consultants, 11375 Sunrise Park Drive, Suite 100
Rancho Cordova, CA 95742

Mr. G. Keith West, GMC, Argonaut "A"-1004 H, 485 W. Milwaukee Ave., Detroit MI 48202

Reps-555Heg

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

July 31, 1998
StID # 2189

Mr. Christopher Wilson
Department of Transportation
Box 23660
Oakland CA 94623-0660

Re: Subsurface Investigation at 555 Hegenberger Rd., former Maintenance Facility, Oakland
CA 94621

Dear Mr. Wilson:

Our office has received and reviewed the June 1998 Groundwater Monitoring Report First Quarter 1998 for the above site as prepared by Geocon. As mentioned in the report, it appears that conditions are not optimal for natural bioremediation ie the dissolved oxygen levels are fairly low and the oxygen-reduction potential is indicative of reducing conditions. The concentration of Total Petroleum Hydrocarbons as gasoline and as diesel are also elevated, above historical levels.

Unlike your conclusion that an off-site up-gradient source is present, I believe that current conditions are not optimal for natural biodegradation. Elevated TPH concentration may be the result of the elevated groundwater level from the heavy rains of the past year. It is unfortunate that groundwater monitoring did not occur in 1997 so as to have a better picture of the concentrations trend. Please adhere to the semi-annual monitoring schedule recommended in my January 1997 letter. There appears to be a larger increase in TPH contamination in wells down-gradient to the former tanks and dispensers versus the up-gradient wells.

The recently detected MTBE found in wells should be verified using EPA Method 8240 or 8260. The low levels detected in the February 1998 are potentially false positives due to analysis by Method 8020. Please run MTBE in your next monitoring event by either of the confirmatory methods mentioned. Please consider the addition of oxygen releasing compound into the existing wells to enhance bioremediation.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. R. Walls, Geocon Env. Consultants, 3235 Sunrise Blvd., Suite 6, Rancho Cordova,
CA, 95742

2mon555

DEPARTMENT OF TRANSPORTATION

BOX 23660
OAKLAND, CA 94623-0660
(510) 286-4444
TDD (510) 286-4454

ENVIRONMENTAL
PROTECTIONA-21839
July 28, 1998 JUL 29 PM 4: 36

Mr. Barney Chan, Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502

Dear Mr. Chan:

Enclosed is the *First Quarter 1998 Groundwater Monitoring Report* for the Hegenberger Maintenance Station in Oakland, California, prepared by Geocon Environmental Consultants. The Hegenberger site is a former Caltrans maintenance station that contained two 6,500-gallon gasoline underground storage tanks (USTs) and two 2,000-gallon diesel USTs. The tanks were removed in 1995, and the site is currently being leased by a GMC truck dealer. In light of the most current investigative results, Caltrans would like to request from the Alameda County Health Care Services Agency an alternative scope of investigation examining the likelihood of an off-site source of the contamination.

The conclusions of the *First Quarter 1998 Groundwater Monitoring Report* along with Caltrans analysis of the investigative data display uncertainties in the source of the contaminant plume. Analytical data and site conditions suggest that the contaminants are from an off-site source and are migrating to the property at Hegenberger Road. Evidence of this is shown in the following:

1. No attenuation in contaminant levels seems to indicate that the source has not been removed, whereas the USTs at the subject site were removed three years ago
2. Methyl tertiary butyl ether (MTBE) has been detected in groundwater samples; however, the USTs at the site were inactive previous to MTBE's introduction in the United States
3. The presence of two commercial gasoline stations located within 500 feet of the site in an upgradient direction

When viewed over time, the analytical results of the Hegenberger site display a scattered graph with little consistency in contaminant levels. As seen in the enclosed graph (which includes the results of the June 1998 sampling event), the total petroleum hydrocarbons as gasoline (TPHg) fluctuate over the course of the sampling history for all monitoring wells. The history of the site shows no consistent attenuation in contaminant levels.

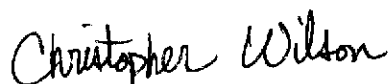
Mr. Barney Chan
July 28, 1998
Page 2

The February 1998 sampling event marked the first time MTBE was part of the analytical schedule for the Hegenberger investigation. The sampling found detectable concentrations of MTBE in four of the five wells sampled. These results are puzzling. The presence of MTBE on the subject site is unexpected because the USTs at the Hegenberger site were reported to have been unused since 1977, while MTBE was not included as a gasoline additive in the United States until the early 1980's. Therefore, the presence of MTBE seems to indicate that at least some contaminants at the subject site have not originated from the former Caltrans USTs.

The groundwater gradient and direction derived from the February 1998 sampling were consistent with the results of all five previous sampling events. As shown in the enclosed site map, the groundwater gradient has a resultant direction to the northwest. Also shown in the site map, there are two commercial gasoline stations across Hegenberger Road from the maintenance station. One gasoline station lies to the east of the site, while the other lies to the northeast. Both of these stations therefore lie in the general upgradient direction of the groundwater plume. It is possible that groundwater could migrate from either of these stations under Hegenberger Road to Caltrans' property.

Due to the evidence presented, there is reason to believe that an off-site source may be responsible for the contamination found at the Hegenberger maintenance station. Our office thinks the next logical step is to collect water and soil samples close to the eastern perimeter of the site to investigate the possibility of an off-site source. Analytical data from these borings could clarify the location of the hydrocarbon and MTBE source. If you have any questions or need any additional information regarding the *First Quarter 1998 Report* or the attached figures, you may call me at (510) 286-5647.

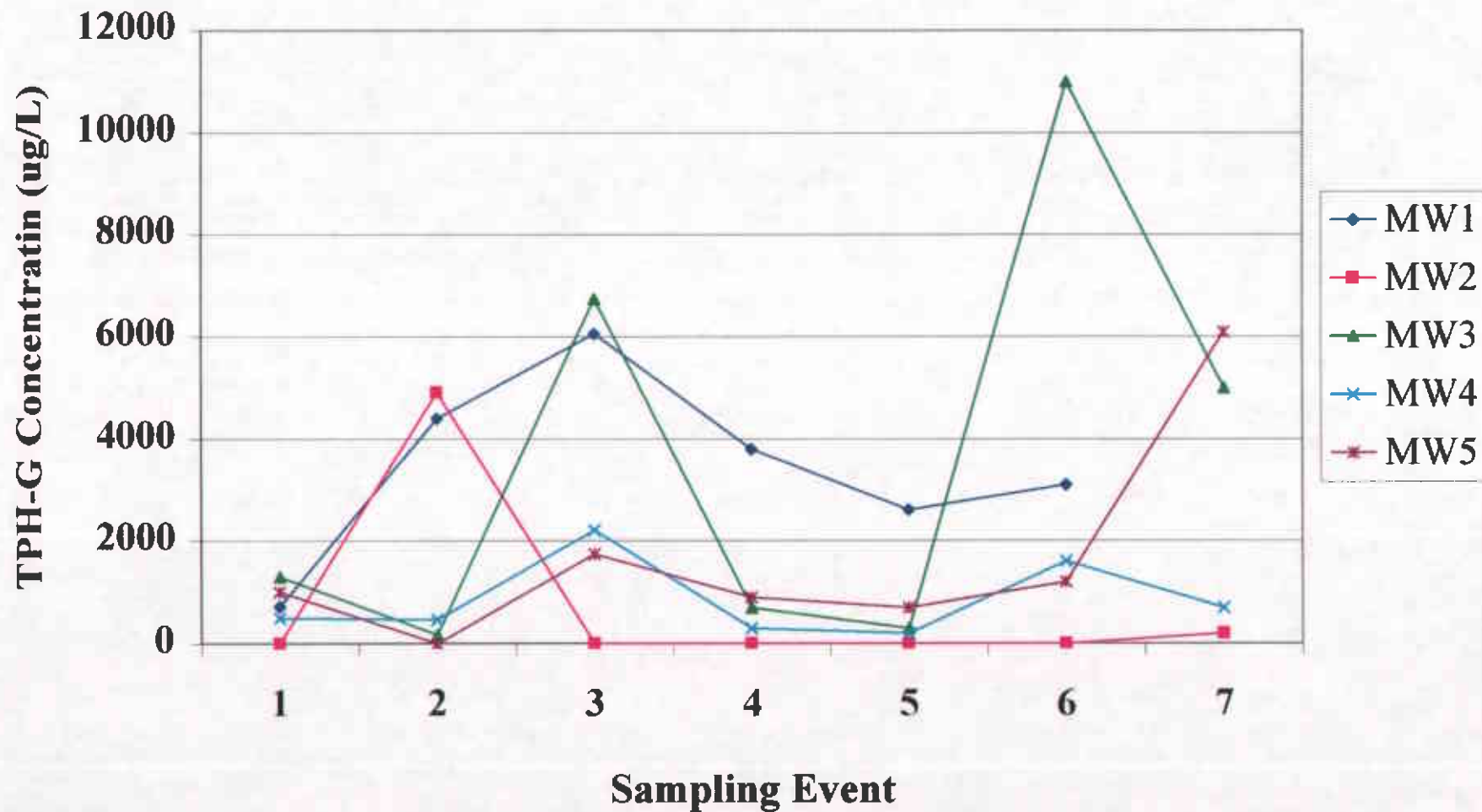
Sincerely,

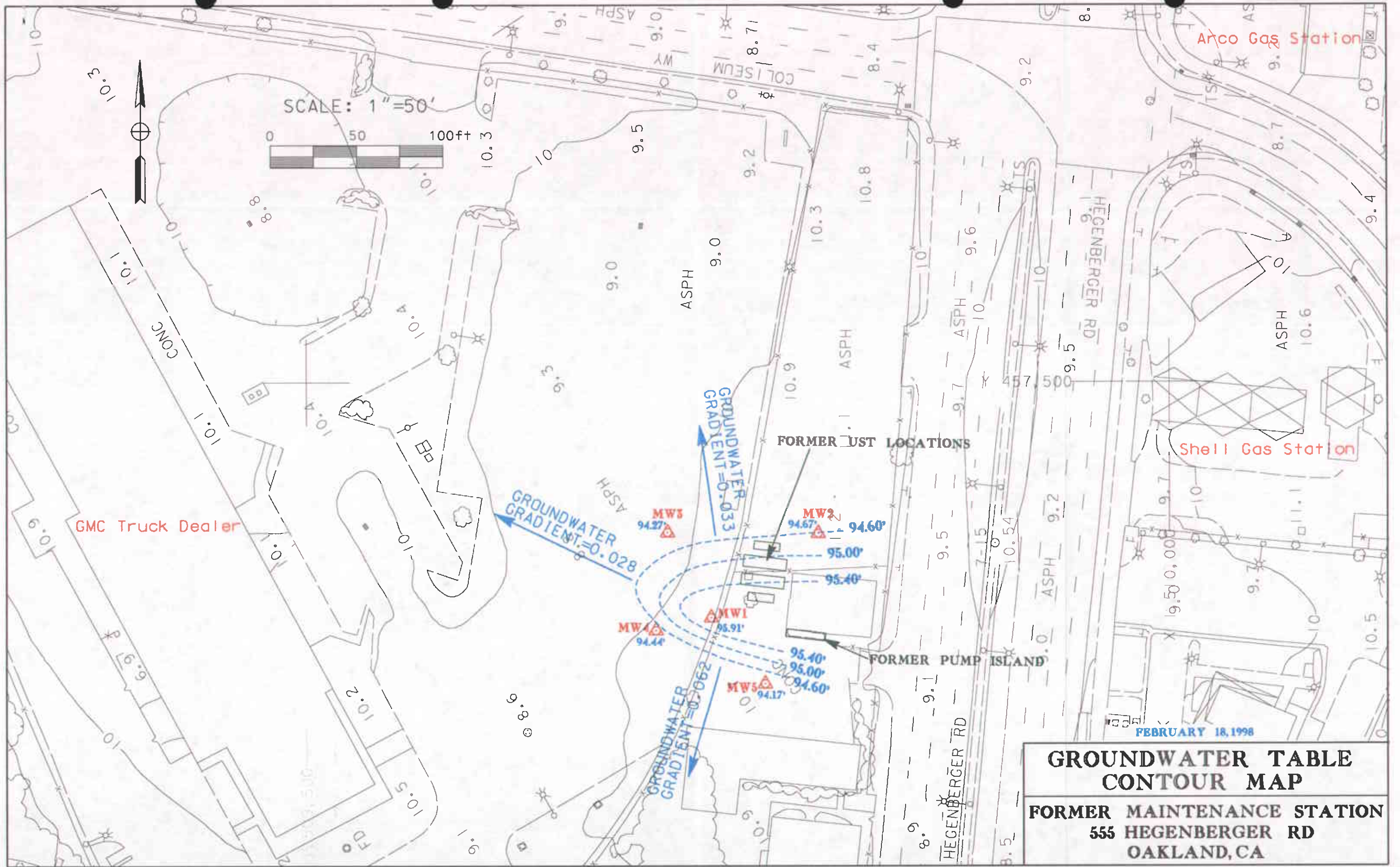


Christopher Wilson, P.E.
Office of Environmental Engineering

Enclosures

Hegenberger Site





**GROUNDWATER TABLE
CONTOUR MAP**
FORMER MAINTENANCE STATION
555 HEGENBERGER RD
OAKLAND, CA

FEBRUARY 18, 1998

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

July 2, 1997
StID # 2189

Ms. Judy Nam
Department of Transportation
Box 23660
Oakland CA 94623-0660

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

**Re: Groundwater Monitoring at 555 Hegenberger Rd., former
Maintenance Facility, Oakland CA 94621**

Dear Ms. Nam:

This letter responds to your request to clarify the monitoring requirements for the above site. Please refer to my January 21, 1997 letter to Mr. Christopher Wilson which requested continued groundwater monitoring on a semi-annual basis. This recommendation is based on the evaluation of Mr. Wilson's January 6, 1997 letter to this office whereby intrinsic bioremediation was not clearly demonstrated at this site. This report concluded that there was no supportive relationship with dissolved oxygen (DO) versus dissolved BTEX concentrations, or any consistent relationship between DO and benzene concentration.

Because natural bioremediation is a critical part of the monitoring risk-based closure approach, additional monitoring is necessary to verify that it is occurring and that conditions are conducive for this to occur.

Therefore, please monitor the existing wells on a semi-annual basis for the following parameters:

- * TPHg, TPHd, BTEX, MTBE
- * dissolved oxygen, oxidation-reduction potential, nitrate, sulfate and ferrous iron
- * on a one-time basis, please analyze groundwater for the presence of hydrocarbon utilizing microbes (HUM)

Enclosed please find a copy of the document,

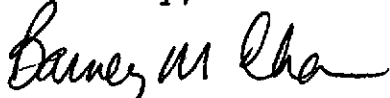
Protocol for Monitoring Intrinsic Bioremediation in Groundwater
and a list of labs certified for the bioassay of HUM.

I realize that the initial schedule for monitoring, May and November 1997, must now be changed to July 97 and January 98.

You may contact me at (510) 567-6765 if you have any questions.

Ms. Judy Nam
StID # 2189
555 Hegenberger Rd.
July 2, 1997
Page 2.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

enclosure

c: B. Chan, files

Mr. R. Walls, Geocon Env. Consultants, 3235 Sunrise Blvd.,
Suite 6, Rancho Cordova, CA 95742

2mon555

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



January 21, 1997
StID # 2189

Mr. Christopher Wilson
Department of Transportation
Box 23660
Oakland CA 94623-0660

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

**Re: Groundwater Monitoring at 555 Hegenberger Rd., former
Maintenance Facility, Oakland CA 94621**

Dear Mr. Wilson:

Our office has received and reviewed the December Geocon Fourth Quarter 1996 Groundwater Monitoring Report for the above site. This letter serves to respond to your inquiry as to whether further groundwater monitoring is recommended by our office.

At this time, it appears that not all the criteria of a "low risk groundwater site" have been met. There is question as to whether a trend in groundwater concentration has been established and whether natural biodegradation is occurring. Your initial analysis of dissolved oxygen versus concentration and dissolved oxygen versus degradation rate of benzene do not confirm that biodegradation is occurring or at least at a constant rate. Perhaps the decreased rate of benzene degradation is related to the elevated TPHg and BTEX concentrations in these wells.

In addition, when groundwater contaminant concentrations have been established, you are required to show that no significant risk to human health or the environment exists. The ASTM Risk Based Corrective Action (RBCA) format should be used for this.

Our office recommends continued groundwater monitoring on a semi-annual basis ie May 1997 and November 1997. We also recommend that during these events you analyze for petroleum hydrocarbon utilizing microbes. In addition, when you conclude that groundwater concentrations have equilibrated, please prepare a Tier 1 Risk Assessment for the site. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

c: B. Chan, files

R. Walls, Geocon Env. Consultants, 3235 Sunrise Blvd., Suite
6, Rancho Cordova, CA 95742 mon555

DEPARTMENT OF TRANSPORTATION

BOX 23660
OAKLAND, CA 94623-0660
(510) 286-4444
TDD (510) 286-4454



September 14, 1995

Mr. Barney M. Chan
Hazardous Material Specialist
Alameda County Health Care Services Agency
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject: Final Work Plan for 555 Hegenberger Road, Oakland, California, Former
Caltrans Facility

Dear Mr. Chan:

Enclosed is a copy of the Final Work Plan for 555 Hegenberger Road, Oakland,
California, Former Caltrans Facility.

Please contact Ronald Dong at (510) 286-5631 if there are any questions.

Sincerely,

JOE BROWNE
District Director

By:


TIMIR MEHTA
District Branch Chief
Office of Environmental Engineering

Enclosure

95 SEP 15 PM 2:38
ENVIRONMENTAL
PROTECTION

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

September 19, 1995
StID # 2189

Mr. Timir Mehta
Department of Transportation
Box 23660
Oakland CA 94623-0660

Re: Request for Implementation of Work Plan for 555 Hegenberger Rd., Oakland 94621, former CalTrans Facility

Dear Mr. Mehta:

Our office has received and reviewed the final work plan for 555 Hegenberger Rd. as prepared by your consultant, Geocon. This work plan incorporates my comments as communicated in my June 21, 1995 letter and subsequent telephone conversations. Therefore, this work plan is acceptable and work should proceed as soon as possible given the lapse of time since the four underground tanks were removed.

Please submit a time schedule for the performance of this work plan. You should also be aware that quarterly groundwater monitoring will be required for this site after the wells have been installed.

You are also requested to contact me at least 48 working hours prior to your field work so I may arrange to witness some of these activities if possible.

You may contact me at (510) 567-6765 should you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
R. Dong, Cal Trans
G. Young, files

wpimp555

~ 9/26/95

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577
(510) 567-6700

August 22, 1995
StID # 2189

Mr. Tim Metha
Department of Transportation
Box 23660
Oakland CA 94623-0660

Re: Comment on August 1995 Draft Site Investigation Workplan for Hegenberger Maintenance Station, 555 Hegenberger Rd, Oakland

Dear Mr. Metha:

Our office has received and reviewed a fax copy of the above referenced work plan as prepared by your consultant, Geocon Environmental Consultants (Geocon). This work plan addresses my previous comments on their prior June 20, 1995 Draft Work Plan. I have also spoken with Mr. Ron Dong of your staff and stated that the work plan is approved with the following conditions:

1. In boring BH1, proposed to be placed within the former tank pit, you should attempt to take soil and grab groundwater samples. There is no need to analyze "clean fill" soils which were used to backfill the pit.
2. Please have all wells surveyed to mean sea level. This way neighboring sites can also be evaluated to determine the groundwater flow direction of the immediate area.
3. Please forward a copy of this work plan signed and stamped by the lead registered professional.

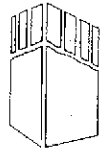
You should proceed with this investigation as soon as possible. Please contact me **at least 48 working hours** prior to your field work. I may be reached at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: Mr. Ron Dong, Cal Trans
G. Jensen, Alameda County DA Office
L. Todd, files

2-555dr



Services

SITE ASSESSMENTS AND INVESTIGATIONS

- Environmental real property assessments
- Facility audits
- Hazardous waste site investigations
- Environmental sampling programs
- Asbestos inspection and abatement programs
- Air sampling and monitoring programs
- Pollutant fate and transport modeling
- Remedial investigation/feasibility studies
- Underground storage tank investigations
- Soil gas surveys

MARINE SCIENCES

- Chemical fate and transport studies
- Sediment and water sampling
- Boatyard audits
- Pollutant dispersion modeling
- Aquatic risk assessment

ENGINEERING/REMEDIAION SERVICES

- Construction management
- Landfill and surface impoundment design
- Treatment/remediation system design and implementation
- Site restoration
- Free phase hydrocarbon migration and recovery system design
- Preparation of plans and specifications using CAD

HUMAN HEALTH AND SAFETY SERVICES

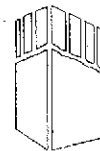
- Human health risk assessment
- Industrial hygiene support
- Personal air sampling programs
- Medical surveillance
- OSHA 40-hour health and safety training programs
- "Sick building" consultations
- Legal/Expert Consultation

REGULATORY COMPLIANCE PLANNING AND SUPPORT

- RCRA, CERCLA, SARA, and OSHA compliance support
- Proposition 65
- Regulatory negotiations
- NPDES permitting
- RCRA permitting
- SARA Title III Support

GEOLOGIC AND WATER RESOURCE STUDIES

- Hydrogeologic site characterization
- Groundwater flow and solute transport modeling
- Design and implementation of groundwater monitoring systems
- Chemical migration assessments
- Water resource investigations
- Soil and groundwater reclamation



Background

Geocon Environmental Consultants Incorporated (GEC), and their associated geotechnical company Geocon Incorporated, are consulting companies with over 20 years of engineering consulting experience in California. The professionals comprising both GEC and Geocon Incorporated include geologists, environmental scientists and engineers with experience in California and other portions of the United States.

GEC is a full service environmental engineering consulting firm, providing a variety of services on projects ranging from Environmental Real Property Assessments (i.e., PSA's) to Groundwater Treatment and Remediation Systems. The staff includes specialists in engineering (civil/environmental/mechanical), geology, hydrogeology, geophysics, chemistry, environmental science, marine science, and historical research. Our clients include attorneys, major development corporations, industrial corporations, lending institutions, architects/engineers, construction companies, insurance companies, and government agencies.

With the corporate headquarters located San Diego, we also have an office in Sacramento. From these two facilities we are able to serve our clients within the San Diego, Sacramento, Riverside, and Los Angeles basins, and provide services throughout the western United States, supported by a large inventory of field and instrumentation equipment. Having resources in house, including a comprehensive technical library, facilitates project performance and reduces the costs associated with buying or renting materials/equipment.

GEC's management principals possess a depth of practical experience and expertise in the various environmental disciplines (i.e., engineering, hydrogeology, or health sciences). The project principals are active in the development, management, implementation, and completion/closure of every project. This qualitative and quantitative level of experience provides clients with the assurance that projects will be handled by a professional meeting client's goals and budgets.

SAN DIEGO
6970 Flanders Drive
San Diego, CA 92121-2974
(619) 558-6100
FAX (619) 558-8437

SACRAMENTO
11333 Sunco Drive, Suite 100
Rancho Cordova, CA 95742
(916) 852-9119
FAX (916) 852-9132

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 21, 1995
StID # 2189

Mr. Tim Mehta
Department of Transportation
Box 23660
Oakland CA 94623-0660

Re: Comment on June 20, 1995 Draft Work Plan for Subsurface Investigation at 555 Hegenberger Rd., Oakland 94621

Dear Mr. Mehta:

I have received and reviewed the above referenced work plan as prepared and delivered by Mr. Ronald Dong of your office. He also sent me a copy of the essential parts of the December 1994 Tank Removal Report for this site as prepared by GHH Engineering Inc. I don't know whether this report was ever sent to me, however, I requested that Mr. Dong send me an entire copy.

Based on the analytical results stated in the tank removal report and the observations noted during the tank removal, I have the following observations and comments to the Draft Work Plan. Please contact me to discuss these comments at your earliest convenience.

Observations:

1. There appears to be three areas identified in the report which warrant further investigation: around both diesel tanks and along the pump island. One would expect potential problems around the diesel tanks since these tanks had obvious holes observed in them especially the northern tank.
2. Based on the groundwater monitoring data from 625 Hegenberger Rd. we would anticipate that the groundwater gradient at this site is west-southwesterly. Groundwater, contrary to what was observed at the time of the removal, is expected to be unconfined and at a depth of approximately 10' bgs.
3. Since there is evidence of soil and groundwater contamination to the west of the former tank pit (GMC-Clayton Environmental borings report) I'm recommending a monitoring well to the west of this area.
4. As mentioned to Mr. Ron Dong of your office, the depth of soil samples to be analyzed in the borings is dependent on field conditions. Typically, soil samples are taken for screening or analysis every five feet or at locations of noticeable contamination. This should be left to the geologist at time of the drilling.

Mr. T. Mehta
StID # 2189
June 21, 1995
Page 2.

My next comments relate directly to the Draft Work Plan. I think that the proposed number of wells and borings should be adequate to assess this site. My recommendations will not significantly change the number of borings/wells, however, they will hopefully optimize the amount of data available to render a recommendation for further action.

1. Based on the extent of soil already removed from the tank pit, I do not recommend any borings or wells within the tank pit.
2. In an attempt to further define the limits of soil and groundwater contamination the attached modified site map reflects my recommendation for location of borings/wells. Specifically, I recommend for:

B-1 no change in location, sample depths based on field observ.
B-2 move west beyond the tank pit, " " " " "
B-3 move north toward the east end of the diesel tank, " "
B-4 move outside pit, south of the diesel tank, " " "
B-5 eliminate, unnecessary
B-6 no change
MW1 move to the west beyond the GMC borings.
MW2 no change
MW3 move to the west to determine extent of GW contamination.
MW4 no change
MW5 move downgradient to the piping run to determine GW impact.

Our office agrees that quarterly groundwater monitoring should commence after this work is performed. Further recommendations will depend on the results of the investigation and monitoring.

As previously mentioned, our office requests an updated written schedule for the schedule presented earlier by your office.

Please contact me at (510) 567-6765 if you have any questions.

Sincerely,



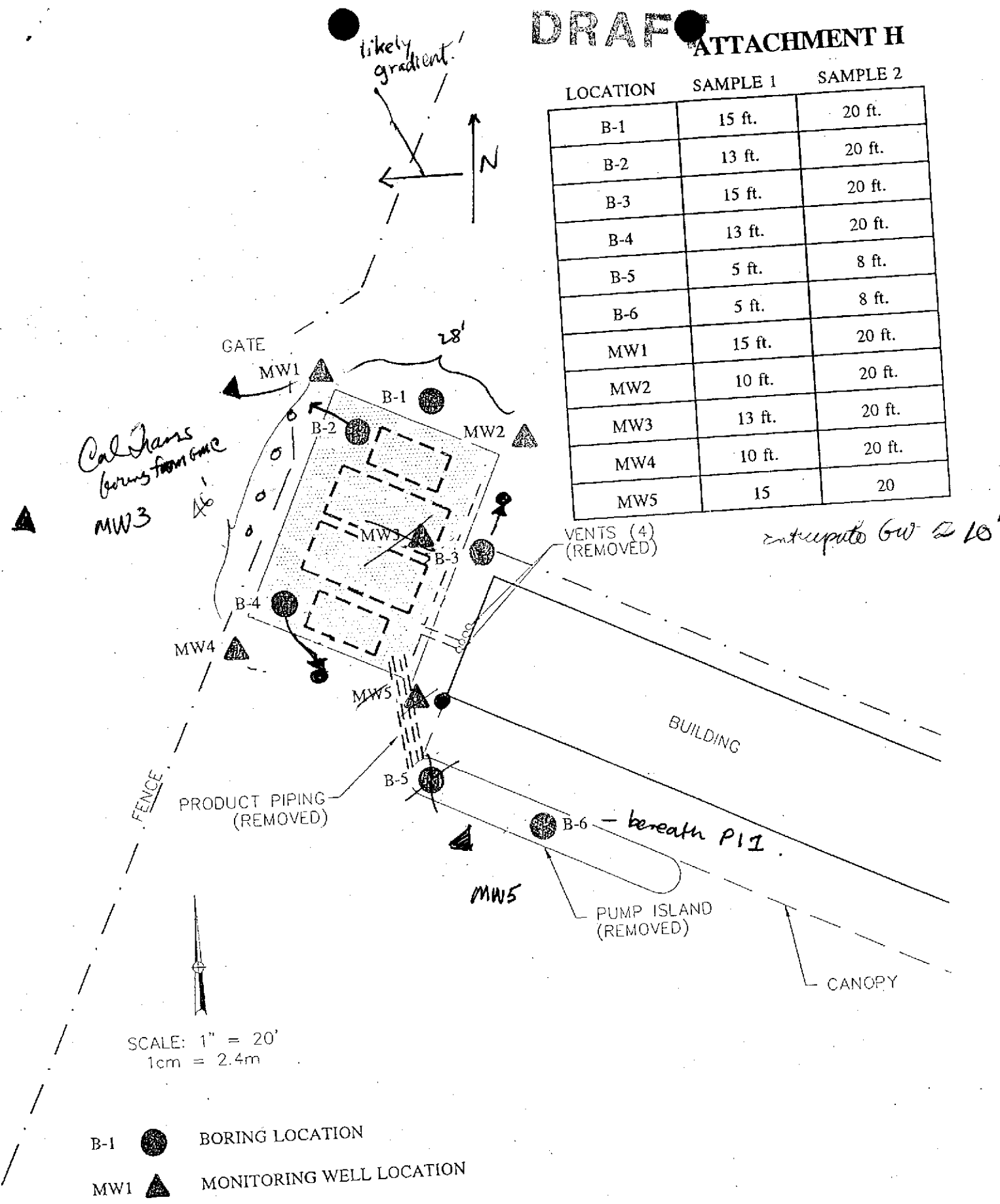
Barney M. Chan
Hazardous Materials Specialist

cc: Mr. R. Dong, Cal Trans
G. Jensen, District Attorney Office
J. Makishima, files

555Draft

DRAFT ATTACHMENT H

LOCATION	SAMPLE 1	SAMPLE 2
B-1	15 ft.	20 ft.
B-2	13 ft.	20 ft.
B-3	15 ft.	20 ft.
B-4	13 ft.	20 ft.
B-5	5 ft.	8 ft.
B-6	5 ft.	8 ft.
MW1	15 ft.	20 ft.
MW2	10 ft.	20 ft.
MW3	13 ft.	20 ft.
MW4	10 ft.	20 ft.
MW5	15	20



94 DEC 15 PM 4:24

December 9, 1994

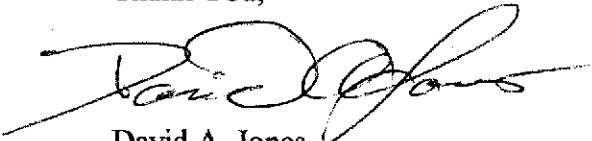
Mr. Barney Chan
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway #250
Alameda, California 94502-6577

**SUBJECT: SUBMITTAL EXTENSION - TANK REMOVAL REPORT
CALTRANS OAKLAND**

Dear Mr. Chan:

This letter is to confirm your approval to extend the submittal date for the Tank Removal Report for the subject site from November 22, 1994 to January 15, 1995. The draft report is final and will be sent to our client for review the week of December 12, 1994. If you have any questions or need additional information please call me at (800) 877-1739.

Thank You,



David A. Jones
Project Manager

F:\4231\DJ\naj\Extension.ltr

pc: Ms. Margaret Gabil, Caltrans, District 4
Mr. Dave Mohanty, Caltrans, District 4



ENGINEERING INC.

RCE #27011 LIC. #537901

FAX COVER PAGE

NUMBER OF PAGES (INCLUDING COVER PAGE):

2

DATE OF THIS TRANSMITTAL:

Nov 22, 94

TO:

ALAMEDA County

FAX #:

510-337-9335

ATTENTION:

BARNEY CHAN

PROJECT:

555 HAGENBERGER RD

JOB #:

4231

Transmitted herewith is/are the following documents:

For your:

____ Approval

Retention

____ Distribution

Hard copy to follow in the mail:

____ Yes

No

Comments:

Sent By:

DAVE JONES

For:



ENGINEERING INC.
RCE #27011

LIC# 537901

8084 Old Auburn Road, Suite E • Citrus Heights, CA 95610-2559 • (916) 723-7645

LETTER OF TRANSMITTAL

GARY H. HALL, P.E.
Consultant

DATE	NOV 21 1994	JOB NO.	4231
ATTENTION	MR CHAN		
RE	EXTENSION FOR TANK REMOVAL REPORT SUBMITTAL FOR SSS HAGENBERGER ROAD		
FAX: (510) 337 9335			

TO BARNEY CHAN
ALAMEDA COUNTY HEALTH CARE SERVICES
DEPT OF ENVIRONMENTAL HEALTH
1131 HARBOR BAY PKWY #250
ALAMEDA CA 94502-6577

WE ARE SENDING YOU Attached Under separate cover via FAX the following items:

- Shop drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order

COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE _____ 19 _____
- Approved as submitted
- Approved as noted
- Returned for corrections
- _____
- PRINTS RETURNED AFTER LOAN TO US
- Resubmit _____ copies for approval
- Submit _____ copies for distribution
- Return _____ corrected prints

REMARKS MR CHAN:
IT IS OUR UNDERSTANDING FROM PHONE CONVERSATIONS WITH MR TIM MEHTA, THAT CAL TRANS WAS REQUESTED AN EXTENSION FOR THE SUBMITTAL OF THE TANK CLOSURE REPORT FOR SSS HAGENBERGER ROAD UNTIL JAN 15 1995. THIS EXTENSION WOULD ALLOW US TO INCLUDE THE SOIL DISPOSAL DOCUMENTATION INTO THE REPORT. SOIL DISPOSAL ACTIVITIES WILL BE COMPLETE NOV 22 AND DOCUMENTATION WILL BE AVAILABLE IN APPROXIMATELY TWO WEEKS.
IF YOU HAVE ANY QUESTIONS PLEASE CALL ME AT (916) 723 7645.
THANK YOU

COPY TO DAVE MOHANTY

SIGNATURE: DAVE MOHANTY

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

November 9, 1994
StID #2189

DEPARTMENT OF ENVIRONMENTAL HEALTH

ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

Cal Trans
Ms. Dianne Steinhauser
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

**Re: Request for Technical Reports for Underground Tank Removals
at Hegenberger Rd., Oakland CA 94621**

Dear Ms. Steinhauser:

As you are aware, the four underground tanks at the above site were removed by GHH Engineering on September 22, 1994. Present from Cal Trans were Mr. Dave Mohanty, Mr. Michael Hilliard, Ms. Allison Parker and others with Mr. Mohanty being present the majority of the time. Contaminated soil, floating product and a severely perforated tanks were observed during the removal. The two outermost tanks were the ones where the significant sized holes were observed. Limited overexcavation of the contaminated soil was performed since no attempt to remove all of the affected soils. It was acknowledged that the remediation phase of the site investigation would address the residual soil contamination and the delineation of the soil and groundwater contamination.

This letter serves to request the following technical reports:

1. A complete tank closure report including all soil results, appropriate site map, copies of tank manifests and any other contaminated spoils or water disposed and a narrative of the activities and observations. In accordance to the underground tank closure application, this report should be received by our office **within 60 days of the tank removal or by November 22, 1994.**
2. A up-to-date schedule for the determination and investigation of the extent of contamination. This investigation must include the installation of monitoring well(s). The preliminary schedule should be modified to incorporate the tank removal date of September 1994.

Please submit these documents by the above date, November 22, 1994. This request is pursuant to the California Water Board Section 13267 (b) and Title 23 the California Code of Regulations, Chapter 16, Section 2652 (d).

Ms. D. Steinhauser
StID # 2189
555 Hegenberger Rd.
November 9, 1994
Page 2.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
T. Metha, Cal Trans, 111 Grand Ave., 13th Floor, Oakland
94612-3771
E. Howell, file

1rep555

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

p1

Site ID# _____ Site Name Cal Trans Today's Date 9/22/88
 Site Address 555 Hegenberger Rd EPA ID# _____
 City Oak Zip 94621 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
 Hazardous Waste generated per month? _____

Inspection Categories:

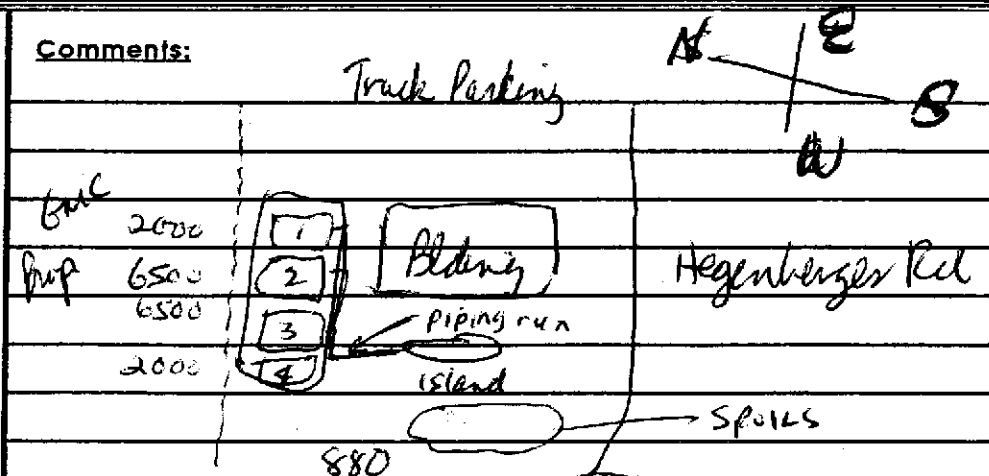
- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks Removal

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

- ___ 1. Waste ID * 66471
- ___ 2. EPA ID 66472
- ___ 3. > 90 days 66508
- ___ 4. Label dates 66508
- ___ 5. Biennial 66493
- ___ 6. Records 66492
- ___ 7. Correct 66484
- ___ 8. Copy sent 66492
- ___ 9. Exception 66484
- ___ 10. Copies Rec'd 66492
- ___ 11. Treatment 66371
- ___ 12. On-site Disp. (H.S.&C.) 26189.5
- ___ 13. Ex Haz. Waste 66570
- ___ 14. Communications 67121
- ___ 15. Aisle Space 67124
- ___ 16. Local Authority 67126
- ___ 17. Maintenance 67120
- ___ 18. Training 67105
- ___ 19. Prepared 67140
- ___ 20. Name List 67141
- ___ 21. Copies 67141
- ___ 22. Emg. Coord. Tmg. 67144
- ___ 23. Condition 67241
- ___ 24. Compatibility 67242
- ___ 25. Maintenance 67243
- ___ 26. Inspection 67244
- ___ 27. Buffer Zone 67246
- ___ 28. Tank Inspection 67259
- ___ 29. Containment 67245
- ___ 30. Safe Storage 67261
- ___ 31. Freeboard 67257

Comments:



Mike Gilbert of GMC Truck Center present
 Cal Trans - Dave Mohanty, Allison Parker
 GHH Eng. Contractor - Calvin Pratt
 Corrosion tubes observed on 2k (E) tank #1,
 2k(W) tank sides + seams (#4)
 Per approx. 21' x 40' x 8' (W x L x D)
 Tank 4 6% LEL 8% O₂
 3 0% LEL 9% O₂
 2 0% LEL 6% O₂
 1 0% LEL 10% O₂
 OF Inspector L. James present
 Inspection of Tank 4 shows leaks on seams
 sides + bottom

I.B TRANSPORTER (Title 22)

- ___ 32. Applic./Insurance 66428
- ___ 33. Comp. Cert./CHP Insp. 66448
- ___ 34. Containers 66465
- ___ 35. Vehicles 66465
- ___ 36. EPA ID #s 66531
- ___ 37. Correct 66541
- ___ 38. HW Delivery 66543
- ___ 39. Records 66544
- ___ 40. Name/ Covers 66545
- ___ 41. Recyclables 66800

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Contact: D. Mohanty
 Title: _____
 Signature: D. Mohanty

Inspector: B Chan
 Signature: B Chan

M. Babel also present from Cal Trans 1

State of California

Department of Transportation
District 4—Maintenance
111 Grand Avenue
Mail: P.O. Box 23660
Oakland, CA 94623-0660



Michael A. Hilliard
Supt. II—Business Plan/List

(510) 286-4495
CALNET 541-4495
FAX (510) 286-4482

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

P2

Site ID # _____ Site Name Cal Trans Today's Date / /

Site Address 555 Heegenberges Rd

City _____ Zip 94621 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 R.

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

Comments:

Approx 6-8k gallons of water pumped collected
 weekly from all tanks
 Erickson - tank hauler # 430340 exp 5/95
 Trident Trucking - #430844 exp 6/95
 Floating product observed beneath tank #3
 thin film of black hydrocarbon on water
 Depth to bottom of 6.5k tank ~10'
 Tank #3 - no obvious holes observed
 The sloughed soils around tanks are contaminated
 w/ some petroleum.
 Tank #1 - large holes on both ends + bottom
 of tank see photo - required dremel from tank
 as it was lifted from pit
 All tanks were steel + the 2k tanks severely
 rusted + ^{up to} holes.
 Tank 2 - no obvious holes observed
 Tank pit was cleaned of backfill soils
 down to the base of the 6.5k tanks ~10'

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) 25524(c)
- 14. OffSite Conseq. Assess. 25534(d)
- 15. Probable Risk Assessment 25534(g)
- 16. Persons Responsible 25534(f)
- 17. Certification 25536(b)
- 18. Exemption Request? (Y/N) 25538
- 19. Trade Secret Requested?

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 groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Groundwater
 - One time soils
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/groundwater mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank test
 - 8) Annual Tank Testing
 - Daily inventory
 - Other _____

- 7. Precls Tank Test 2643
 - Date: _____
- 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 2711
 - Date: _____
 - 14. As Built 2635
 - Date: _____

Contact: D. Mohanty

Title: _____

Signature: D. Mohanty

Inspector: BChan

Signature: BChan

II, III

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

P3

Site ID # _____ Site Name Caltrans Today Date 8/22/94

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)

Site Address 555 Neg Rd

City Oakland Zip 94621 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 R

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

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) 25524(c)
- ___ 14. OffSite Conseq. Assess. 25534(d)
- ___ 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)

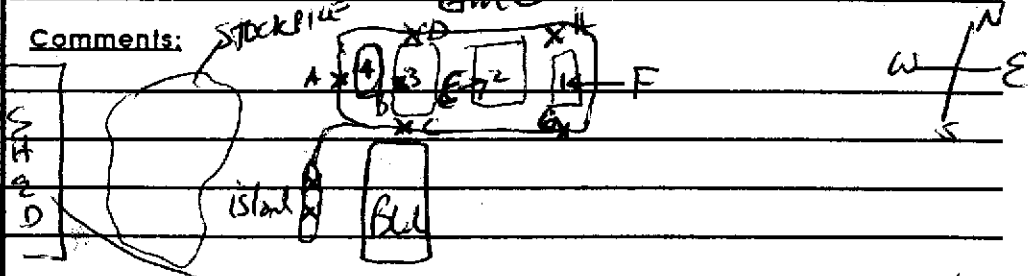
- General
- ___ 1. Permit Application 25284 (H&S)
 - ___ 2. Pipeline Leak Detection 25292 (H&S)
 - ___ 3. Records Maintenance 2712
 - ___ 4. Release Report 2651
 - ___ 5. Closure Plans 2670

- Monitoring for Existing Tanks
- ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Semi-annual groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Groundwater
 - One time soils
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/groundwater mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank testing
 - 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:

Spl A - Wall wall ~ 6' BGS into a gravelly lens saturated w/ brown liquid * this soil zone is all around the tank pit

Spl B - floor spl under tank (3) ~ 12' BGS dark

Spl C - South sidewall tank 3 ~ 19' BGS clay

Spl D - north sidewall tank 3 ~ 18' BGS soil

" E - floor spl beneath tank 2 ~ 12' BGS blue-gray clay

" F - floor " " tank 1 ~ 10' BGS

" G - " " " from south end of tank 1 ~ 9' BGS

" H - " " " north " " " 1 ~ 9' BGS

2 - spls beneath former dispenser taken at ~ 4' BGS

Run all spls for TPH g, d + b TEX

1 - 4 point composite / SD cy of soil will be taken for disposal purposes

The east end will also be excavated to ~ 12' BGS II, III

Contact: P. Mohanty

Title: _____

Signature: P. Mohanty

Inspector: B Chan

Signature: B Chan

The pit will be lined w/ plastic & backfilled. Further Remediation will occur at a later date.

Barney Chan

9/13/94 B Chen

Please contact our office at least 48 working hrs prior to tank full.

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7337

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your 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. One copy of these accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- _____ Removal of Tank and Piping
- _____ Sampling
- _____ Final Inspection

Obtaining of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

IT IS A FINANCIAL PENALTY FOR NOT COMPLYING WITH THESE CONDITIONS.

UNDERGROUND TANK CLOSURE PLAN

*** Complete according to attached instructions ***

1. Business Name California Department of Transportation Dist. 4
Business Owner California Department of Transportation Dist. 4
2. Site Address 555 Hegenberger Road
City Oakland Zip 94621 Phone 510-286-4444
3. Mailing Address PO Box 23660
City Oakland Zip 94623-0660 Phone (510) 286-4444
4. Land Owner California Department of Transportation Dist. 4
Address _____ City, State _____ Zip _____
5. Generator name under which tank will be manifested Caltrans
District 4

EPA I.D. No. under which tank will be manifested CAC 000888208

6. Contractor GHH Engineering, Inc.
Address 8084 Old Auburn Road Ste E
City Citrus Heights Phone (916) 7237645
License Type* AHAZ ID# 537901

*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. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant GHH Engineering, Inc.
Address 8084 Old Auburn Road Ste E
City Citrus Heights Phone (916) 7237645

8. Contact Person for Investigation
Name Calvin D Pratt Title Soil Scientist
Phone (916) 7237645

9. Number of tanks being closed under this plan Four
Length of piping being removed under this plan 20 Feet
Total number of tanks at facility Four

Transporters/Facilities (see

6. Contractor GHH Engineering, Inc.
Address 8084 Old Auburn Road Ste E
City Citrus Heights Phone (916) 7237645
License Type* AHAZ ID# 537901

*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. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant GHH Engineering, Inc.
Address 8084 Old Auburn Road Ste E
City Citrus Heights Phone (916) 7237645

8. Contact Person for Investigation
Name Calvin D Pratt Title Soil Scientist
Phone (916) 7237645

9. Number of tanks being closed under this plan Four
Length of piping being removed under this plan 20 Feet
Total number of tanks at facility Four

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 Evergreen Enviro. Services EPA I.D. No. CAD 980695761
Hauler License No. 0242 License Exp. Date 7/31/95
Address 6880 Smith Avenue
City Newark State CA Zip 94560

b) Product/Residual Sludge/Rinsate Disposal Site

Name Evergreen Oil Inc. EPA I.D. No. CAD 980887418
Address 6880 Smith Avenue
City Newark State CA Zip 94560

c) Tank and Piping Transporter

Name Erickson Inc. EPA I.D. No. CAD 009466392
Hauler License No. 0019 License Exp. Date 5/31/95
Address 255 Parr Blvd.
City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson Inc. EPA I.D. No. CAD 009466392
Address 255 Parr Blvd.
City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Dennis Steed, Kirk VanDeVort
Company GHH Construction Services, Inc.
Address 8084 Old Auburn Road Ste D
City Citrus Heights State CA Zip 95610 Phone (916) 7234713

12. Laboratory

Name Sparger Technology Inc.
Address 3050 Fite Circle Ste 112
City Sacramento State CA Zip 95827
State Certification No. 1614

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

If yes, describe. Unknown

14. Describe methods to be used for rendering tank inert

Tanks will be pumped of residual product. Approximately
 200 pounds of dry ice will then be added to each tank.

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)		
2 6500 gal	unleaded gasoline & diesel last used in 1986. Install dates unknown at this time.	soil and possibly ground water, if necessary	soil samples will be collected approximately two feet into native soil from each end of each tank.
2 2000 gal			

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
200 CY	One 4 tube composite per 50 CY

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
Soil TPHg/Btex	5030	8015 MOD/8020	1.0pp/0.005ppm
TPHd	3550	8015 MOD	1.0ppm
Water TPHg/Btex	5030	8015 MOD/602	0.050ppm/0.0005ppm
TPHd	3510	8015 MOD	0.050ppm

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer Firemans Fund

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

Gary H. Hall

Name (please type) _____

Signature Gary H. Hall

Date 9-8-94

Signature of Site Owner or Operator

Name (please type) TIMIRBARAN J. MEHTA

Signature Timirbaran J. Mehta

Date 9-2-94



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: DAVID LEWIS LAMPI

License No: 224358

Namestyle: PETROLEUM ENGINEERING INC

WITNESS my hand and official seal this

24th day of DECEMBER 1991

David R. Phillips
Registrar of Contractors

CL 36 (2/91)

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 4308

ANNUAL
 PERMIT

Permit Issued To
 (Insert Employer's Name, Address and Telephone No.)

Petroleum Engineering, Inc.
 11 West Ninth Street
 Santa Rosa CA 95401

No. _____
 Date January 14, 1992
 Region 1 - San Francisco
 District 5 - Santa Rosa
 Tel. _____

Type of Permit Trenching and Excavation

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number 224358		Permit Valid through December 31, 1992		
Description of Project	Location Address	City and County	Anticipated Dates	
			Starting	Completion
various	various	various	various	various

This Permit is issued upon the following conditions:

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, in writing, of dates and location of job site prior to commencement.
2. That employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.
3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.
4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.
5. This permit shall be posted at or near each place of employment as provided in 8 CAC 341.4.

Received From Dye	Received By Bethel	
<input type="checkbox"/> Cash	Amount	Date
<input checked="" type="checkbox"/> Check	100	1-14-92

Investigated by _____
 Safety Engr. Date _____
 Approved by Peaces Betal 1/14/92
 Dist. Manager Date _____



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: BRYAN HARRELL MUSCO

License No.: 498540

Namestyle: B K H EXCAVATOR'S INC

WITNESS my hand and official seal this
day of

24th DECEMBER 1991
David R. Bellis
Registrar of Contractors

13L-36 (2/01)

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 4342

DEPARTMENT OF TRANSPORTATION

BOX 23660
OAKLAND, CA 94623-0660
(510) 286-4444
TDD (510) 286-4454

ALCO
HAZMAT
SEP -2 AM 10:12



June 23, 1994

Mr. Barney M. Chan
Hazardous Material Specialist
Alameda County Health Care Services Agency
UST Local Oversight Program
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Chan:

Subject: Underground Storage Tank Removal at 555 Hegenberger Road,
Oakland, CA, Former Caltrans Facility

As per our agreement in the June 21, 1994 meeting with Mr. G. Jensen, Mr. T. Peacock and you, I am attaching a schedule and listing the funding sources to remove the underground tanks and to perform the site investigation at the subject site.

The funding to accomplish the first task of tank removal will come from the District Minor B Program, Fiscal Year 1994/95 budget. The funding for the second task will come from the 1994/95 Statewide Hazardous Waste Site Assessment, Investigation and Survey Contract Budget managed by the Caltrans Hazardous Waste Management Branch in Sacramento. The budget for the third task of site remediation will be identified once we have received the final site investigation report. Based on the various site remediation options and the corresponding costs we will then determine which funding source would be applicable. Currently, the Hazardous Waste Management Branch is looking into securing remediation funding for these types of sites in the State.

As we had agreed at the meeting, if there is any delay in completing any of the tasks per the attached schedule or if there is any cancellation of funding to accomplish the tasks, we will notify you within 30 days. At this time we have committed the resources to complete the first two tasks per the schedule and within the budget.

If you have any questions regarding this matter, you can reach me at phone number (510) 286-5678.

6/21/94

555 Hagenburg Rd.

Gil Jensen
Thomas Peacock
Barney Chan
Maxine Ferguson
Dianne Steinhauser
TIM MEHTA

Alameda County DA (570) 568-8241
Alameda Co. (510) 271-4530
Alameda Co. (510) 271-4530
~~Alameda Co.~~ Caltrans Legal 415/982-3130
Caltrans-Environm. Engr (510) 286-5678
Caltrans-Environ. Engr. (510) 286-6269

62194

555 Hwy Rd
STIP # 2189

Cal / Trans

Tim Metha

Dianne Steinhauer

McKey Ferguson - lawyer of Cal / Trans

expect a letter from Cal Trans which
commits to the submitted work schedule.

- Have 2 funding mechanisms.

- ① minor project program
- ② backup funding maintenance

Conw/ Jim Matha - Env Eng

11/10/93

Right of Way - initial group removal
Env Eng - resp. for

Maintenance - Syr plan to remain

Project Development -

Expenditure Number (EN)

830

Dec 6, 1993 - District Director: Joe Brown

Expect to hear result of the meeting the next day

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and 2 for additional services.
- Complete items 3, 4, 5, 6 & 7.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also want to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to: BC #2189

Dianne Steinhauser
111 Grand Ave., 13th Flr
Oakland CA 94612-3771

4a. Article Number
P 029 244 657

- 4b. Service Type
- Registered
 - Certified
 - Express Mail
 - Insured
 - COD
 - Return Receipt for Merchandise

7. Date of Delivery

8. Addressee's Address (Only if requested and fee is paid)

5. Signature (Addressee)

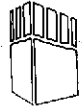
6. Signature (Agent)

Diane Bann

Thank you for using Return Receipt Service.

PS Form 3821 (10-2000) 1201 USA GPO 2001-252-714 DOMESTIC RETURN RECEIPT

GEOCON



Environmental Consultants Inc.

3235 Sunrise Blvd., Suite 6
Rancho Cordova, CA 95742
(916) 852-9118
Fax (916) 852-9132
Pager (916) 523-3151

Jeremey E. Westmark
STAFF ENVIRONMENTAL SCIENTIST

Alameda County Health Care Services Agency, Department of
Environmental Health, Hazardous Materials Division

In Re The Property Known As :)
Cal Trans Facility)
555 Hegenberger Rd.)
Oakland CA 94621)

Notice of Reset of
Pre-Enforcement
Review Panel

(insert address of property)

Notice is hereby given that upon the motion of the Alameda County Hazardous Materials Division, and the San Francisco Bay Regional Water Quality Control Board a **Review Panel** will convene on June 21, 1994 at 11:45 am in the offices of the Alameda County Hazardous Materials Division located at 80 Swan Way, Room 200, Oakland, CA 94621. This **Review Panel** will convene for the purpose of determining responsible parties as well as appropriate closure, site assessment, clean-up and mitigation of contamination at the above location.

The Alameda County Hazardous Materials Division, and the San Francisco Bay Regional Water Quality Control Board have named and served notice of this **Review Panel** on the following persons or entities as having proposed responsibility for closure, site assessment, clean-up and mitigation of contamination at the above location, and by this notice all parties named herein are informed of the right to appear and show cause, if any they have, for the exclusion or inclusion of any of the parties served herein from said responsibility or obligations:


1. Ms. Dianne Steinhauser, Cal Trans

(name)

111 Grand Ave., 13th Floor, Oakland CA 94612-3771

(address)

Dated: 6/07/94



(signature)

BC #2189



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	
Dianne Steinhauser	
Street and No.	
111 Grand Ave., 13th Flr	
P.O., State and ZIP Code	
Oakland CA 94612-3771	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, June 1991

**Alameda County Health Care Services Agency,
Environmental Health, Hazardous Materia**

**In Re The Property Known As :
Cal Trans Facility
555 Hegenberger Rd.
Oakland CA 94621**

Proc

**Pre-Enforcement
Review Panel**

I Barney Chan, do hereby certify
that I served Ms. Dianne Steinhauser, 111 Grand Ave., 13th
Floor, Oakland CA 94612-3771
with a copy of the attached **Notice of Pre-Enforcement Review
Panel** on June 7, 1994 by certified
mailer # P 029 244 657

Dated: 06/07/94

Barney Chan
(signature)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

April 20, 1994
StID # 2189

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

Cal Trans
Ms. Diane Steinhauser
111 Grand Ave., 13th Floor
Oakland, CA 94612-3771

**Re: Tank Removal and Investigation at 555 Hegenberger Rd.,
Oakland CA 94621, former Cal Trans Facility.**

Dear Ms. Steinhauser:

Our office received the package of reports dated March 8, 1994 on March 14, 1994 as hand delivered to me by Mr. Mohanty of your office. We also received the Unauthorized Leak Report (ULR) the following day. Our office is willing to accept that funding, thus work will not occur until July 1994, however, you should be aware of the following conditions:

1. The work plan, which I requested previously, was for the further investigation and potential remediation of this site. It was not for a description of the tank removal process. Enclosed, please find a copy of **Appendix A, Workplan for Initial Subsurface Investigation**. This is a guidance document prepared by the Regional Water Quality Control Board (RWQCB) which lists the common elements of a work plan for the initial investigation of a fuel release site. This is what is required after the tank removals are accomplished.

2. Please provide written confirmation as to your scheduled date for the following items:

a. Submission of a **specific** tank closure application as awarded to a specific contractor.

b. The date, to your best estimate, as to when the tanks will be removed, assuming no delay in the approval of the tank removal application.

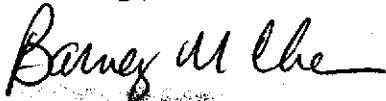
c. The date as to when a site specific work plan for additional subsurface characterization will be submitted.

Please provide written response to this request **within 30 days or by May 23, 1994**. Assuming your schedule is agreeable by our office, failure to meet these scheduled dates will cause this case to be referred to the District Attorney's Office for enforcement.

Ms. Diane Steinhauser
StID # 2189
555 Hegenberger Rd.
April 20, 1994
Page 2.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney H. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files

UST555

enclosure (Ms.Steinhauser)

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
REPORT DATE M 3 14 D 9 Y 4	CASE # 94 MAR 16	SIGNATURE Barney Chan DATE 3/16/94

REPORTED BY NAME OF INDIVIDUAL FILING REPORT DIANNE STEINHAUSER	PHONE (510) 286-5678	SIGNATURE <i>Dianne Steinhauer</i>
REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME CALTRANS - DISTRICT 4	
ADDRESS 111 GRAND AVE. OAKLAND CALIFORNIA 94623		

RESPONSIBLE PARTY NAME CALTRNS - DIST. 4 <input type="checkbox"/> UNKNOWN	CONTACT PERSON TIM MEHTA	PHONE (510) 286-6269
ADDRESS 111 GRAND AVE. OAKLAND CALIFORNIA 94623		

SITE LOCATION FACILITY NAME (IF APPLICABLE) CALTRANS - DIST. 4	OPERATOR CALTRANS	PHONE (510) 286-6269
ADDRESS [REDACTED] ROAD OAKLAND [REDACTED]		
CROSS STREET EDES AVE. / COLISEUM WAY		

IMPLEMENTING AGENCIES LOCAL AGENCY DEPT. OF ENV. HEALTH / COUNTY OF ALAMEDA	AGENCY NAME SFRWQCS	CONTACT PERSON BARNEY M. CHAN	PHONE (510) 271-4530
REGIONAL BOARD SFRWQCS		RICHTHETT	PHONE (510) 286-4539

SUBSTANCES INVOLVED (1) NAME UNKNOWN AT THIS TIME	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
(2)	<input type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT DATE DISCOVERED 0 M 6 D 0 6 D 9 Y 1	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input checked="" type="checkbox"/> OTHER	NOTIFICATION FROM DEPT. OF ENV. HEALTH, COUNTY OF ALAMEDA
DATE DISCHARGE BEGAN LEAK IS NOT VERIFIED	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING	
HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 M 1 D 2 0 D 9 Y 3	<input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE	
<input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER		

SOURCE/CAUSE SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
---	---

CASE TYPE CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY
--

REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)

COMMENTS
THE REMOVAL AND DISPOSAL OF UNDERGROUND TANKS WERE CONTRACTED OUT ON 6/92 BUT THE TANKS WERE NOT REMOVED DUE TO CHANGE IN SCOPE OF THE CONTRACT. HOWEVER, THE TANK CONTENTS WERE PUMPED OUT AND WERE DISPOSED. CALTRANS HAS NOT YET VERIFIED WHETHER THESE TANKS WERE LEAKING IN THE PAST.

INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2900 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety; only that notification procedures have been followed if required.

REPORTED BY

Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY

Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION

Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES

Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED

Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE

Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS

Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.

Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION

Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944312, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

February 4, 1994
StID # 2189

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

Cal Trans
Ms. Diane Steinhauser
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

FINAL NOTICE OF VIOLATION

**Re: Request for Technical Reports and Underground Tank Removals
at 555 Hegenberger Rd., Oakland CA 94621, former Cal Trans
Facility.**

Dear Ms. Steinhauser:

Our office has received your letter of January 26, 1994 which states the difficulties encountered in obtaining funds to remove underground tanks and investigate and remediate the above referenced site. Though you are optimistic that this problem will be resolved, your letter is not specific as to when this might happen.

I have discussed this case with the District Attorney Office. I have informed their office that the initial removal of underground tanks was started in December of 1992 but the excavation was covered-up and asphalted over until additional funds could be obtained to remove the additional discovered tank. I have informed their office that borings adjacent to these tanks indicate petroleum hydrocarbon contamination in soil and groundwater likely coming from these tanks. They are also aware that our request for a new closure application, a completed Unauthorized Release Form (URF) and a work plan for further investigation have not been provided. These items have been requested in my initial letter dated July 26, 1993 and two Notice of Violation letters, dated September 7, 1993 and October 12, 1993.

I have been instructed by the District Attorney Office to give Cal Trans a final opportunity to comply with my request for forms and technical reports. Please provide the requested technical reports to our office **within 30 days or by March 8, 1994**. Failure to provide these documents will cause this case to be referred to the District Attorney Office for enforcement.

Ms. Dianne Steinhauser- Cal Trans
StID # 2189
555 Hegenberger Rd.
February 4, 1994
Page 2.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,

Barney M. Khan

Barney M. Khan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files

FNOV555

DEPARTMENT OF TRANSPORTATION

BOX 23660
OAKLAND, CA 94623-0660
(510) 286-4444
TDD (510) 286-4454

ALCO
HAZMAT



94 FEB -3 PM 12: 14

January 26, 1994

Mr. Barney M. Chan
Hazardous Material Specialist
Alameda County Health Care Services Agency
UST Local Oversight Program
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Chan:

Subject: Underground Storage Tank Removal at 555 Hegenberger Road,
Oakland, CA, Former Caltrans Facility

In response to your letter dated October 12, 1994, regarding removal of the underground tanks at the above subject site, Mr. Tim Mehta of my staff has been in contact with you and has briefed you about our efforts to accomplish this task.

An interdisciplinary team within Caltrans District-4 has met to explore the needs and options in addressing this and other similar sites in a number of counties. The team views several cost components as needing funding such as Tank Removal, Detailed Site Investigation, Remediation Plan Development, and Site Clean-up and Approval.

Currently, there are no identified funding sources for accomplishing any of these components. The team met last month with top management of Caltrans seeking funding. Caltrans is experiencing a severe budget crunch. We recognize, however, the need to particularly address important environmental issues. Top managers both here in District-4 and in our Sacramento Headquarters are endeavoring how to come up with the necessary funds to accomplish this work.

Mr. Barney Chan
UST Hegenberger Road
Page 2 of 2

I am very optimistic that now the matter has received the attention of the top management we will be receiving soon the resources needed to accomplish these tasks. I will keep you informed of the developments and actions taken. Thank you for your patience. If you have any questions regarding this matter you can reach me at phone number (510) 286-5678.

Sincerely,

A handwritten signature in cursive script, appearing to read "D. Steinhauer".

DIANNE STEINHAUSER, Chief
Environmental Engineering Branch

**ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY**

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

October 12, 1993
StID # 2189

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

Cal Trans
Ms. Diane Steinhauser
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

SECOND NOTICE OF VIOLATION

**Re: Request for Subsurface Investigation and Underground Tank
Removal at 555 Hegenberger Rd., Oakland CA 94621, former
Cal Trans Facility**

Dear Ms. Steinhauser:

Our office previously sent our correspondence to Mr. Mark Avila and Ms. Barbara Webb of your office. I have since been informed that you are the contact person regarding the removal of underground storage tanks and any subsequent investigation. I was also told that my previous correspondence has been given to you for your attention.

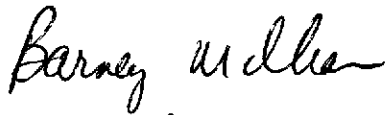
To recap, existing underground tanks were scheduled for removal on December 1, 1992. Because of their size, the excavation contract was sent out to rebid. After noticing significant delay, our office wrote initially to Mr. Avila on July 26, 1993 and then to Ms. Webb on September 7, 1993 in a Notice of Violation. This site was given a high priority when a subsurface investigation, performed by Clayton Environmental for GMC, identified high levels of petroleum contamination in soil and grab water samples in borings installed adjacent to the Cal/Trans tank pit. In the Notice of Violation, our office requested the completion and submittal of an Unauthorized Release (Leak) Report by September 23, 1993 and the submittal of a new underground tank closure form by October 9, 1993. To this date, our office has yet to receive the requested documents. Ms. Webb was also advised to retain a consultant in order to provide a work plan for further subsurface investigation given the likely contamination emanating from this site.

Please submit the requested documents to our office **within 30 days or by November 15, 1993.**

Ms. Diane Steinhauser
555 Hegenberger Rd.
StID # 2189
October 12, 1993
Page 2.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files
2NOV-555

**ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY**

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

September 7, 1993
StID # 2189

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

Cal Trans
Ms. Barbara Webb
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

NOTICE OF VIOLATION

**Re: Request for Subsurface Investigation and Underground Tank
Removal at 555 Hegenberger Rd., Oakland CA 94621, former
Cal Trans Facility**

Dear Ms. Webb:

Our office last wrote to Mr. Mark Avila of your office in our July 26, 1993 letter concerning the underground tank removal and subsurface investigation at the above referenced site. Please refer to this letter. You may call me for a copy if it is not available from Mr. Avila. In this letter, Cal Trans was informed of the potential release of the underground tanks at this site and requested to inform our office when the underground tanks would be removed and when a work plan for subsurface investigation would be submitted. Cal Trans was requested to provide this information within 30 days of receipt of this letter or by August 26, 1993. To this date, our office has not received this information.

Our office has recently received a copy of the September 1, 1993 Clayton Environmental report detailing the results of soil and grab groundwater samples from borings taken adjacent to the Cal Trans site. I have also witnessed the boring locations and they are within 15 feet of the patched underground tank pit on the Cal Trans site. Given the anticipated groundwater direction and the remoteness of GMC's underground tanks, the reported petroleum release in this report is likely from the existing Cal Trans underground tanks. For your information, soil samples reported up to 820 parts per million (ppm) Total Oil and Grease (TOG), 700 ppm diesel and 340 ppm gasoline. In addition, groundwater samples indicated up to 47 ppm diesel and 0.78 ppm gasoline.

Please submit a new underground tank closure form to our office **within 30 days or by October 9, 1993**. You should also retain a consultant to provide a work plan for further subsurface investigation. This work plan should be submitted 30 days after the underground tanks are removed.

Ms. Barbara Webb
StID # 2189
555 Hegenberger Rd.
September 7, 1993
Page 2.

Please be aware that until the underground tanks are removed and a work plan for subsurface investigation is submitted, our office considers these tanks to have been closed illegally. You should also be aware that the California Health and Safety Code (CH&SC), Division 20, Chapter 6.7, Section 25298 (c) 4 states that no person shall close an underground tank unless that person has taken steps to demonstrate to the appropriate agency that the site has been investigated to determine if there are any present, or were past releases, and if so that appropriate corrective or remedial actions have been taken. Section 25299 (5) allows for the civil penalty of not less than \$500 or more than \$5000 for each underground tank and for each day the owner or operator fails to properly close an underground tank.

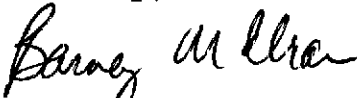
Enclosed please find an Underground Storage Tank Unauthorized Release (Leak)/ Contamination Site Report (ULR). Please complete this form and return to our office **within 10 days, or by September 23, 1993.**

You should consider this a formal request for technical reports pursuant to the California Water Code Section 13267 (b). All documents including work plans, analytical results, forms and reports should be sent to our office since we are acting in behalf of the Regional Water Quality Control Board (RWQCB) by overseeing cases of fuel release to the waters of the state.

This site has been transferred to the Local Oversight Program (LOP) section of Alameda County Environmental Health and you have been notified of this through our **Notice of Requirement to Reimburse** letter.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files
NOV-555Heg

SNY UPDATE 4/21/07

Press [ESC] for the menu

UNDERGROUND STORAGE TANK CLEANUP SITE

-LOP:A-TRemov:--SLIC:--

SITE ID: 2189	SOURCE OF FUNDS: F	SUBSTANCE :12034
SITE NAME: Caltrans		DATE REPORTED :09/03/1993
SITE ADDRESS: 555 -0 Hegenberger Rd		DATE CONFIRMED:09/03/1993
CITY: Oakland	ZIP CODE: 94621	MULTIPLE RPS : N

CASE TYPE: O CONTRACT STAT: 4 PRIORITY: 3A1 DATE ER:-0-

RP SEARCH : S	DATE END: -0-
PRELIM ASSESSMENT : -	DATE BEGIN: -0- DATE END: -0-
REMEDIAL INVEST : -	DATE BEGIN: -0- DATE END: -0-
REMEDIAL ACTION : -	DATE BEGIN: -0- DATE END: -0-
POST REMED MONITOR: -	DATE BEGIN: -0- DATE END: -0-

ENFORCEMENT TYPE: 3	DATE ENFORCEMENT ACTION TAKEN: 06/21/1994
LUFT CATEGORY: -0-	CASE CLOSED: - DATE CASE CLOSED: -0-
DT EXC START : 12/01/1992	REMEDIAL ACTIONS TAKEN: NT

PgDn for Screen #2

[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
 Form: SITE Table: SITE Field: Source Page: 1

STID: 2189

UNDERGROUND STORAGE TANK CLEANUP SITE - SCREEN #2

IN-HOUSE MANAGEMENT:

RISK ASSESSMENT :-0-	LOC-CleanUp Fund? -0-
DATE LAST CORSP :08/04/1999	INSPECTOR INIT: BC

CONTACT/RESPONSIBLE PARTY INFORMATION:

RP #1: CONTACT: Barbara Webb	RP COST: \$0.00
RP COMPANY NAME: Cal Trans	Ph: -0-
ADDRESS: 111 Grand Ave, 13th Floor	
CITY/ST/ZIP: Oakland, C A 94612-3771	

COMMENT: MTBE=25ppb in MW-3 on 2/18/98. Site is approx 4000 feet south west of the Fitchburg well field. Though MTBE is low, TPHg and BTEX are still high, must continue monitoring.

PgUp For Screen #1;PgDn For More RP'S

[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
 Form: SITE Table: SITE Field: FlagDate Page: 2

Press [ESC] for the menu

UNDERGROUND STORAGE TANK CLEANUP SITE

-LOP:A-TRemov:--SLIC:--

SITE ID: 2189	SOURCE OF FUNDS: F	SUBSTANCE :12034
SITE NAME: Caltrans		DATE REPORTED :09/03/1993
SITE ADDRESS: 555 -0 Hegenberger Rd		DATE CONFIRMED:09/03/1993

CITY: Oakland

ZIP CODE: 94621

MULTIPLE RPs : N

CASE TYPE: O

CONTRACT STAT: 4

PRIORITY: 3A1

DATE ER: -0-

RP SEARCH : S

DATE END: -0-

PRELIM ASSESSMENT : - DATE BEGIN: -0-

DATE END: -0-

REMEDIAL INVEST : - DATE BEGIN: -0-

DATE END: -0-

REMEDIAL ACTION : - DATE BEGIN: -0-

DATE END: -0-

POST REMED MONITOR: - DATE BEGIN: -0-

DATE END: -0-

ENFORCEMENT TYPE: 3

DATE ENFORCEMENT ACTION TAKEN: 06/21/1994

LUFT CATEGORY: -0-

CASE CLOSED: - DATE CASE CLOSED: -0-

DT EXC START : 12/01/1992

REMEDIAL ACTIONS TAKEN: NT

PgDn for Screen #2

[ESC] Done
Form: SITE

[F2] Clear field
Table: SITE

[Shift-F2] Clear to end
Field: Source Page: 1

[Shift-F10] More

STID: 2189

UNDERGROUND STORAGE TANK CLEANUP SITE - SCREEN #2

IN-HOUSE MANAGEMENT:

RISK ASSESSMENT :-0-

LOC-CleanUp Fund? -0-

DATE LAST CORSP :08/04/1999

INSPECTOR INIT: BC

CONTACT/RESPONSIBLE PARTY INFORMATION:

RP #1: CONTACT: Barbara Webb

RP COST: \$0.00

RP COMPANY NAME: Cal Trans

Ph: -0-

ADDRESS: 111 Grand Ave, 13th Floor

CITY/ST/ZIP: Oakland, C A 94612-3771

COMMENT: MTBE=25ppb in MW-3 on 2/18/98. Site is approx 4000 feet south west of the Fitchburg well field. Though MTBE is low, TPHg and BTEX are still high, must continue monitoring.

PgUp For Screen #1;PgDn For More RP'S

[ESC] Done
Form: SITE

[F2] Clear field
Table: SITE

[Shift-F2] Clear to end
Field: FlagDate Page: 2

[Shift-F10] More

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

July 26, 1993

Cal Trans
Mr. Mark Avila
111 Grand Ave., 13th Floor
Oakland CA 94612-3771

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

**Re: Request for Subsurface Investigation at 555 Hegenberger Rd.,
Oakland CA 94621, former Cal Trans Facility**

Dear Mr. Avila:

This letter serves to recount our conversation today regarding the above referenced site. Recall, this site initially scheduled the removal of four underground tanks on December 1992. Upon finding much larger sized tanks than anticipated, the removal was stopped pending the rebidding of the removal for the actual sized containers. Nearly eight months went by until I was informed today of Phase II results performed by the consultant for GMC located at 5050 S. Coliseum Way. According to the consultant a number of soil borings were taken within 15-20 feet from the property line of GMC and the former Cal Trans facility at 555 Hegenberger Road. The borings encountered free petroleum product, a result which will require immediate investigation and remediation. Because of the close proximity to the Cal Trans and the assumed groundwater gradient, the contamination being found in the soil borings is likely coming from the Cal Trans site. GMC will be removing their underground tanks early August 1993, which are located approximately 200 feet away from the previously mentioned borings.


At this time, it is appropriate for our office to request the expediting of the removal of the four underground tanks at 555 Hegenberger Rd. These tanks are a likely source of the petroleum hydrocarbon contamination being found in the borings just off-site this property. Please be aware that Title 23 of the California Code of Regulations, Chapter 16 Underground Tank Regulations requires a soil and groundwater investigation where free product is found at the site where an unauthorized release has occurred (Section 2724(c)). In addition section 2655 (b) requires the removal of free product by the owner or operator in a manner that minimizes the spread of contamination into previously uncontaminated zones by using appropriate recovery and disposal techniques.

Mark Avila
555 Hegenberger Rd.-Cal Trans
StID # 2189
July 26, 1993
Page 2.

Through our conversation, there appears to be avenues which Cal Trans can take to address emergency situations such as this one. This letter serves to inform you of our office's opinion that this site is considered a high priority. Because of this, you should reply to this letter **within 30 days of receipt of this letter or by August 26, 1993.** This letter should inform our office when the underground tanks will be removed and when a work plan for subsurface investigation will be provided our office.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
E. Howell, files

2-555HegRd.

**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) Brett Johnson

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your 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.

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

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- Removal of Tank and Piping
 - Sampling
 - Final Inspection
- Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

[Handwritten Signature]

10/92

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name DEPT. OF TRANSPORTATION (CAL TRANS)
Business Owner DEPT. OF TRANSPORTATION
 2. Site Address 555 HEGENBERGER ROAD
City OAKLAND Zip 94621 Phone N/A
 3. Mailing Address P.O. BOX 7791
City SAN FRANCISCO Zip 94120 Phone 510 286 5489
 4. Land Owner DEPT. OF TRANSPORTATION
Address P.O. BOX 7791 SAN FRANCISCO City, State CA Zip 94120
 5. Generator name under which tank will be manifested DEPT. OF TRANSPORTATION.
- EPA I.D. No. under which tank will be manifested CAD000827760

6. Contractor PETROLEUM ENGINEERING INC
Address 11 W. 9TH ST.
City SANTA ROSA, CA. 95401 Phone 707 545 0360
License Type A,B-1,SC-61,SC-10,D-23 ID# 224358

7. Consultant N/A
Address _____
City _____ Phone _____

8. Contact Person for Investigation
Name HAROLD DYE Title OPERATIONS
Phone 707 545 0360

9. Number of tanks being closed under this plan 4 (1,000 GAL. EA.)
Length of piping being removed under this plan UNKN.
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 H & H ENVIROMENTAL SERVICES EPA I.D. No. CAD004771168
Hauler License No. 0334 License Exp. Date 1 31 93
Address 220 CHINA BASIN
City SAN FRANCISCO State CA Zip 94107

b) Product/Residual Sludge/Rinsate Disposal Site

Name H & H ENVIROMENTAL SERVICES EPA I.D. No. CAD004771168
Address 220 CHINA BASIN
City SAN FRANCISCO State CA Zip 94107

c) Tank and Piping Transporter

Name H & H ENVIROMENTAL SERVICES EPA I.D. No. CAD004771168
Hauler License No. 0334 License Exp. Date 1 31 93
Address 220 CHINA BASIN
City SAN FRANCISCO state CA. Zip 94107

d) Tank and Piping Disposal Site

Name H & H ENVIROMENTAL SERVICES EPA I.D. No. CAD004771168
Address 220 CHINA BASIN
City SAN FRANCISCO State CA Zip 94107

11. Experienced Sample Collector

Name TOM KEEGAN
Company GROUP ENVIROMENTAL SERVICES
Address 11 W. 9TH ST.
City SANTA ROSA State CA Zip 94501 Phone 707 575 1162

12. Laboratory

Name COAST TO COAST ANALITICAL SERVICES
Address 6006 EGIZET CT
City BENICIA state CA Zip 94510
State Certification No. CC531501

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

If yes, describe. _____

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 10 YARDS EACH	Sampling Plan 2 SOIL SAMPLES FOR EACH STOCKPILE 1 FOR EACH 20 YARDS, 4 FOR EACH 50 YARDS OR WATS NECESSARY.

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
	S O I L		
TPH G	5030	MODIFIED 8015	1.0 PPM
TPH D	3550	MODIFIED 8015	1.0 PPM
BTX & E	8020		0.0005 PPM
	W A T E R.....		
TPH G	5030	MODIFIED 8015	50.0 PPM
THP D	3510	MODIFIED 8015	50.0 PPM
BTX & E	8260		0.5 PPM

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

14. Describe methods to be used for rendering tank inert

TANKS ARE TO BE PUMPED FREE OF PRODUCT, 30 LBS OF DRY

ICE TO BE USED FOR EVERY 1000 GAL OF 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)		
(4) 1000,GAL. EACH.	GASOLINE AND DIESEL	SOIL GROUND WATER	IF SOIL APPREARS TO BE ABOVE GROUND WATER TABLES, COLLECT 1 SAMPL FROM EACH END OF TANKS 1 FTODD INTO NATIVE SOIL. IF WATER IS PRESENT. THEN COLLECT ONE OR TWO SAMPLES OF THE WATER USING A BAILER.

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.

Submit Worker's Compensation Certificate copy

PRODUCER: MATSON INSURANCE

Name of Insurer FAIRMONT INSURANCE

100 STONY PT. RD.
SANTA ROSA, CA 95401

- 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) PETROLEUM ENGINEERING INC HAROLD DYE

Signature *Harold Dye*

Date 10 16 92

Signature of Site Owner or Operator

Name (please type) DEPT. OF TRANSPORTATION GARY CARDONA

Signature *Gary Cardona*

Date 10/16/92

Tim Matha
286-6269

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	<input checked="" type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

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

DBA OR FACILITY NAME DEPT. OF TRANSPORTATION		NAME OF OPERATOR		
ADDRESS 555 HEGENBERGER RD.		NEAREST CROSS STREET I-880	PARCEL # (OPTIONAL) 36980	
CITY NAME OAKLAND		STATE CA	ZIP CODE 94621	SITE PHONE # WITH AREA CODE N/A
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY <input checked="" type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY				
TYPE OF BUSINESS		<input type="checkbox"/> 1 GAS STATION	<input type="checkbox"/> 2 DISTRIBUTOR	<input type="checkbox"/> 3 FARM
		<input type="checkbox"/> 4 PROCESSOR	<input checked="" type="checkbox"/> 5 OTHER	
		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE 4	E. P. A. I. D. # (optional)

EMERGENCY CONTACT PERSON (PRIMARY) MAINT. YARD.

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) CARDONA, GARY	PHONE # WITH AREA CODE 510 286 5489	DAYS: NAME (LAST, FIRST) CONNELLY SUZETTE	PHONE # WITH AREA CODE 510 286 5486
NIGHTS: NAME (LAST, FIRST) MARK AVILA	PHONE # WITH AREA CODE (510) 286-5381	NIGHTS: NAME (LAST, FIRST) BARBARA WEBB	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME DEPT. OF TRANSPORTATION		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS P.O. BOX 7791		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input checked="" type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME SAN FRANCISCO		STATE CA	ZIP CODE 94120	PHONE # WITH AREA CODE 510 286 5489

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER DEPT. OF TRANSPORTATION		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS P.O. BOX 7791		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input checked="" type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME SAN FRANCISCO		STATE CA	ZIP CODE 94120	PHONE # WITH AREA CODE 510 186 5489

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

TY (TK) HQ 44 - 032062

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

<input checked="" type="checkbox"/> box to indicate	<input checked="" type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input checked="" type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 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) PETROLEUM ENGINEERING, HAROLD DYE	APPLICANT'S TITLE OPERATIONS	DATE MONTH/DAY/YEAR 10 16 92
---	---------------------------------	---------------------------------

LOCAL AGENCY USE ONLY

COUNTY # [] []	JURISDICTION # [] [] []	FACILITY # [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

UNIVERSITY MICROFILMS INTERNATIONAL

GENERAL INSTRUCTIONS:

1. One FORM "A" shall be completed for all NEW PERMITS, PERMIT CHANGES or any FACILITY/SITE INFORMATION CHANGES.
2. SUBJECT ONLY (BY FORM "A") for a Facility/Site, regardless of the number of tanks located at the site.
3. This form should be completed by either the PERMIT APPLICANT or the LOCAL AGENCY UNDERGROUND TANK INSPECTOR.
4. Please type or print clearly all requested information.
5. Use a hard point writing instrument and make 3 copies.

TOP OF FORM: MAKE ONLY ONE MARK

Mark an (X) in the box next to the item that best describes the reason the form is being completed.

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

1. Record name and address (physical location) of the underground tank(s).
NOTE: Address MUST have a valid city/county/location, state, and zip code.
P.O. BOX NUMBERS AND S.O. ACCRUITMENTS
include nearest cross street, and name of the site area.
2. Phone number (use new or area code) or a night number (if none, write "SAME" in proper location)
3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP (see CORPORATION, INDIVIDUAL, etc.)
4. Check the appropriate box for TYPE OF BUSINESS.
5. If Facility/line is located within an Inlet reservation or other Indian trust lands check the box marked "YES".
6. Indicate the NUMBER of TANKS at this SITE.
7. Record the E.P.A. ID # or write "NONE" in the space provided.

II. PROPERTY OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section unless all items are the same as SECTION I; if the same, write "SAME AS SITE" across this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION I; if the same, write "SAME AS SITE" across this section. Be sure to check TANK OWNERSHIP TYPE box.

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER (MUST BE COMPLETED)

Every year Board of Equalization (BOE) UST storage fee account number which is required before your permit application can be processed. Registration with the BOE will assure that you will receive a quarterly storage fee return in reporting due \$0.006 (3 mills) per gallon fee due on the number of gallons placed in your UST's. The BOE will code persons exempt from paying the storage fee so returns will not be sent. If you do not have an account number with the BOE or if you have any questions regarding the fee or exceptions, please call the BOE at 916-323-9535 or write to the BOE at the following address: Board of Equalization, Environmental Fees Unit, P.O. Box 94829, Sacramento, CA 94279-0001.

V. UNDERGROUND UST FINANCIAL RESPONSIBILITY (MUST BE COMPLETED)

Identify the method(s) used by the owner and/or operator in meeting the Federal and State financial responsibility requirements. USTs owned by any Federal or State agency are exempt from this requirement.

VI. LOCAL NOTIFICATION AND MAILING ADDRESS

Check (MAIL BOX) for the address that will be used for BOTH LEGAL AND MAILING NOTIFICATIONS.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED

INSTRUCTION FOR THE LOCAL AGENCIES

The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)733-2421. The facility number may be assigned by the local agency; however, this number must be numerical and cannot contain any alphabetical. If the local agency prefers the State Board to assign the facility number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THIS APPLICATION CANNOT BE PROCESSED IF THE BOE ACCOUNT NUMBER IS NOT FILLED IN. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE LOCAL AGENCY USE ONLY INTERACTIONS BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FEE TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O SUBJECTS
EPA PROCESSING CENTER
P.O. BOX 27
SACRAMENTO, CA 95833

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	<input checked="" type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: DEPT. OF TRANSPORTATION (CAL TRANS YARD)

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN	
A. OWNER'S TANK I.D.# <u>1</u>	B. MANUFACTURED BY: <u>UNKN</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKN</u>	D. TANK CAPACITY IN GALLONS: <u>1000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.		
A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL <input type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT <input type="checkbox"/> 4 OIL <input type="checkbox"/> 80 EMPTY <input type="checkbox"/> 95 UNKNOWN	B. <input checked="" type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE	C. <input checked="" type="checkbox"/> 1a REGULAR UNLEADED <input type="checkbox"/> 1b PREMIUM UNLEADED <input type="checkbox"/> 2 LEADED <input type="checkbox"/> 3 DIESEL <input type="checkbox"/> 4 GASOLINE <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 6 AVIATION GAS <input type="checkbox"/> 7 METHANOL <input type="checkbox"/> 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	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER		
B. TANK MATERIAL (Primary Tank)	<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER				
C. INTERIOR LINING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING	<input type="checkbox"/> 4 PHENOLIC LINING	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___							
D. CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) <u>UNKN</u>		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>UNKN</u>					

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE				
A. SYSTEM TYPE	A <input checked="" type="checkbox"/> 1 SUCTION	A U <input type="checkbox"/> 2 PRESSURE	A U <input type="checkbox"/> 3 GRAVITY	A U <input type="checkbox"/> 99 OTHER
B. CONSTRUCTION	A U <input type="checkbox"/> 1 SINGLE WALL	A U <input type="checkbox"/> 2 DOUBLE WALL	A U <input type="checkbox"/> 3 LINED TRENCH	A <input checked="" type="checkbox"/> 95 UNKNOWN A U <input type="checkbox"/> 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U <input type="checkbox"/> 1 BARE STEEL	A U <input type="checkbox"/> 2 STAINLESS STEEL	A U <input type="checkbox"/> 3 POLYVINYL CHLORIDE (PVC)	A U <input type="checkbox"/> 4 FIBERGLASS PIPE
	A U <input type="checkbox"/> 5 ALUMINUM	A U <input type="checkbox"/> 6 CONCRETE	A U <input type="checkbox"/> 7 STEEL W/ COATING	A U <input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
	A U <input type="checkbox"/> 9 GALVANIZED STEEL	A U <input type="checkbox"/> 10 CATHODIC PROTECTION	A <input checked="" type="checkbox"/> 95 UNKNOWN	A U <input type="checkbox"/> 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input type="checkbox"/> 99 OTHER

V. TANK LEAK DETECTION				
<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION		
1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>UNKN.</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>0</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

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) <u>PETROLEUM ENGINEERING, INC., HAROLD DYE</u>	DATE <u>10.16.92</u>
--	-------------------------

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	

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

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.

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. AB70789).
- 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'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

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)739-2421. 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 AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

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	<input checked="" type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: DEPT. OF TRANSPORTATION, (CAL TRANS YD)

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>2</u>	B. MANUFACTURED BY: <u>UNKN</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKN.</u>	D. TANK CAPACITY IN GALLONS: <u>1000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL <input type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 4 OIL <input type="checkbox"/> 80 EMPTY <input type="checkbox"/> 95 UNKNOWN	B. <input checked="" type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE
C. <input checked="" type="checkbox"/> 1a REGULAR UNLEADED <input type="checkbox"/> 1b PREMIUM UNLEADED <input type="checkbox"/> 2 LEADED		
<input type="checkbox"/> 3 DIESEL <input type="checkbox"/> 4 GASOLINE <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 6 AVIATION GAS <input type="checkbox"/> 7 METHANOL <input type="checkbox"/> 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 <input type="checkbox"/> 1 DOUBLE WALL <input type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER <input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
B. TANK MATERIAL (Primary Tank) <input type="checkbox"/> 1 BARE STEEL <input type="checkbox"/> 5 CONCRETE <input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 2 STAINLESS STEEL <input type="checkbox"/> 6 POLYVINYL CHLORIDE <input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 3 FIBERGLASS <input type="checkbox"/> 7 ALUMINUM <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
C. INTERIOR LINING <input type="checkbox"/> 1 RUBBER LINED <input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 2 ALKYD LINING <input type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 3 EPOXY LINING <input type="checkbox"/> 4 PHENOLIC LINING <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION <input type="checkbox"/> 1 POLYETHYLENE WRAP <input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 2 COATING <input type="checkbox"/> 91 NONE	<input type="checkbox"/> 3 VINYL WRAP <input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) <u>UNKN</u> OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>UNKN</u>		

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

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

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>UNKN.</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>0</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
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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) PETROLEUM ENGINEERING, INC., HAROLD DYE <i>Harold Dye</i>	DATE 10 16 92
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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	

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

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.

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. AB70789).
- 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'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

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)739-2421. 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 AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.R.C.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

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	<input checked="" type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: DEPT. OF TRASPORTATION, (CAL TRANS YD)

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

A. OWNER'S TANK I.D.# <u>3</u>	B. MANUFACTURED BY: <u>UNKN.</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKN</u>	D. TANK CAPACITY IN GALLONS: <u>1000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL	4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT
<input type="checkbox"/> 2 PETROLEUM	80 EMPTY	<input type="checkbox"/> 2 WASTE
<input type="checkbox"/> 3 CHEMICAL PRODUCT	95 UNKNOWN	

C. 1a REGULAR UNLEADED 3 DIESEL 6 AVIATION GAS
 1b PREMIUM UNLEADED 4 GASAHOL 7 METHANOL
 2 LEADED 5 JET FUEL 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	3 SINGLE WALL WITH EXTERIOR LINER	95 UNKNOWN
	2 SINGLE WALL	4 SECONDARY CONTAINMENT (VAULTED TANK)	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	<input checked="" type="checkbox"/> 95 UNKNOWN	99 OTHER _____

C. INTERIOR LINING	1 RUBBER LINED	2 ALKYD LINING	3 EPOXY LINING	4 PHENOLIC LINING
	5 GLASS LINING	6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN	99 OTHER _____

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION	1 POLYETHYLENE WRAP	2 COATING	3 VINYL WRAP	4 FIBERGLASS REINFORCED PLASTIC
	5 CATHODIC PROTECTION	91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	99 OTHER _____

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A <input checked="" type="checkbox"/> 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
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B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A <input checked="" type="checkbox"/> 95 UNKNOWN	A U 99 OTHER
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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 <input checked="" type="checkbox"/> 95 UNKNOWN	A U 99 OTHER _____

D. LEAK DETECTION	1 AUTOMATIC LINE LEAK DETECTOR	2 LINE TIGHTNESS TESTING	3 INTERSTITIAL MONITORING	99 OTHER _____
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V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>UNKN</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
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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) <u>PETROLEUM ENGINEERING INC, HAROLD DYE</u>	DATE <u>10 16 92</u>
--	-------------------------

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
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INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

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.

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. AB70789).
- 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".

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

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)739-2421. 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 AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723

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	<input checked="" type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: DEPT. OF TRANSPORTATION, (CAL TRANS YD)

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN	
A. OWNER'S TANK I.D.# <u>4</u>	B. MANUFACTURED BY: <u>UNKN</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>UNKN</u>	D. TANK CAPACITY IN GALLONS: <u>1000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.			
A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL <input type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 4 OIL <input type="checkbox"/> 80 EMPTY <input type="checkbox"/> 95 UNKNOWN	B. <input checked="" type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE	C. <input checked="" type="checkbox"/> 1a REGULAR UNLEADED <input type="checkbox"/> 1b PREMIUM UNLEADED <input type="checkbox"/> 2 LEADED <input type="checkbox"/> 3 DIESEL <input type="checkbox"/> 4 GASAHOL <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 6 AVIATION GAS <input type="checkbox"/> 7 METHANOL <input type="checkbox"/> 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 <input type="checkbox"/> 1 DOUBLE WALL <input type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER <input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input checked="" type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER	
B. TANK MATERIAL (Primary Tank) <input type="checkbox"/> 1 BARE STEEL <input type="checkbox"/> 5 CONCRETE <input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 2 STAINLESS STEEL <input type="checkbox"/> 6 POLYVINYL CHLORIDE <input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 3 FIBERGLASS <input type="checkbox"/> 7 ALUMINUM <input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC <input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP <input type="checkbox"/> 99 OTHER
C. INTERIOR LINING <input type="checkbox"/> 1 RUBBER LINED <input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 2 ALKYD LINING <input type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 3 EPOXY LINING <input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 4 PHENOLIC LINING <input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___			
D. CORROSION PROTECTION <input type="checkbox"/> 1 POLYETHYLENE WRAP <input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 2 COATING <input type="checkbox"/> 91 NONE	<input type="checkbox"/> 3 VINYL WRAP <input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC <input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____	

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE			
A. SYSTEM TYPE A <input checked="" type="checkbox"/> 1 SUCTION A U <input type="checkbox"/> 2 PRESSURE A U <input type="checkbox"/> 3 GRAVITY A U <input type="checkbox"/> 99 OTHER	A U <input type="checkbox"/> 1 SINGLE WALL A U <input type="checkbox"/> 2 DOUBLE WALL A U <input type="checkbox"/> 3 LINED TRENCH A U <input type="checkbox"/> 99 OTHER	A U <input type="checkbox"/> 1 BARE STEEL A U <input type="checkbox"/> 2 STAINLESS STEEL A U <input type="checkbox"/> 3 POLYVINYL CHLORIDE (PVC) A U <input type="checkbox"/> 4 FIBERGLASS PIPE A U <input type="checkbox"/> 5 ALUMINUM A U <input type="checkbox"/> 6 CONCRETE A U <input type="checkbox"/> 7 STEEL W/ COATING A U <input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP A U <input type="checkbox"/> 9 GALVANIZED STEEL A U <input type="checkbox"/> 10 CATHODIC PROTECTION A <input checked="" type="checkbox"/> 95 UNKNOWN A U <input type="checkbox"/> 99 OTHER	D. LEAK DETECTION <input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR <input type="checkbox"/> 2 LINE TIGHTNESS TESTING <input type="checkbox"/> 3 INTERSTITIAL MONITORING <input type="checkbox"/> 99 OTHER

V. TANK LEAK DETECTION			
<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING
<input type="checkbox"/> 5 GROUND WATER MONITORING	<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 91 NONE
<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER		

VI. TANK CLOSURE INFORMATION		
1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>UNKN</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>0</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

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) PETROLEUM ENGINEERING INC, HAROLD DYN <i>Harold DYN</i>	DATE 10 16 92
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LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW			
STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE	

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS:

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.

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. AB70789).
- 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'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

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)739-2421. 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 AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(s) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
C/O S.W.E.P.S.
DATA PROCESSING CENTER
P.O. BOX 527
PARAMOUNT, CA 90723