

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

August 2, 2007

Mr. Bo Gin  
Oakland Auto Parts  
342 Lester Avenue  
Oakland, CA 94606

Subject: Fuel Leak Case No. RO0000484 (Global ID# T0600100985), Oakland Auto Parts, 706 Harrison Street, Oakland, CA

Dear Mr. Gin:

Alameda County Environmental Health (ACEH) staff have reviewed the fuel leak case file for the above referenced site including the reports entitled, "Request for Approval of Onsite Characterization and Remediation Status at Upgradient Site," dated January 2007 and "Proceed with Work Plan for Onsite Characterization," dated June 13, 2007, and "Second Quarter 2007 Monitoring Report" dated June 11, 2007 prepared by Conestoga Rovers & Associates (CRA). In response to your concern regarding impacts to your site from an upgradient source located at 726 Harrison Street, ACEH is currently requesting remedial action associated with the unauthorized release from this site.

Currently, groundwater analytical data collected in April 2007 identified elevated levels of dissolved phase TPHg, benzene and MtBE in onsite monitoring wells at maximum concentrations of up to 100,000 µg/L, 5,400 µg/L and 7,800 µg/L, respectively. Furthermore, separate phase petroleum hydrocarbon was detected in MW-2, which is adjacent to the former 8,000 gallon UST tank pit. The presence of free product in the tank pit indicates that residual contamination in soil may be adding mass to the dissolved phase petroleum hydrocarbon plume.

Based on the concentration of TPH and TPH constituents detected in groundwater, the presence of residual petroleum hydrocarbon contamination in the former 8,000 gallon tank pit, and considering site remediation activities were limited to the area immediately adjacent to the former southern tank pit and dispenser island. ACEH believes an additional investigation is necessary to determine the extent of soil and groundwater contamination near the former 8,000 gallon UST. Please submit a work plan detailing your proposal to evaluate the extent of soil and groundwater contamination at your site.

Based on ACEH staff review of the case file, 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](mailto:steven.plunkett@acgov.org)) prior to the start of field activities.

**TECHNICAL COMMENTS**

1. **Impact from Offsite Up-Gradient MtBE Source.** CRA asserts that an offsite, up-gradient source of MtBE contamination is impacting your site. Analytical data collected along the

northern property boundary in April 2007, from the upgradient site located at 726 Harrison Street, detected elevated concentrations of MtBE at up to 27,000 µg/L. In addition, groundwater analytical data collected from an onsite upgradient monitoring well (MW-4) indicates that dissolved phase MtBE contamination may be migrating in groundwater beneath your site from an upgradient offsite source. Further, CRA maintains the MtBE contamination beneath your site is not site sourced.

However, our review and comparison of historical groundwater analytical data collected between January 1998 and January 2001 indicate that MtBE concentrations in downgradient well MW-1 are consistently higher than MtBE concentrations in upgradient well MW-4. Additionally, between October 2001 and April 2004 MtBE was not detected above laboratory reporting limits in either monitoring well. Subsequently, from October 2005 through October 2006 MtBE concentrations in well MW-1 are once again higher than MtBE concentrations in upgradient well MW-4. It is inconclusive if MtBE detected in groundwater beneath 706 Harrison Street is from an offsite source. Moreover, groundwater analytical data indicate a source of MtBE may have been present beneath your site.

Furthermore, information from the California Water Quality Control Board, San Francisco Region states, "MTBE (methyl-*tert*-butyl ether) was initially used as an octane booster and replacement for lead in gasoline. The Atlantic Richfield Company (ARCO) obtained EPA approval to add up to 7.0% MTBE to unleaded gasoline in 1979. The approved percentage was increased to 11% in 1981 and 15% in 1988. Between 1980 and 1986, MTBE use increased approximately 40% per year." There is a distinct possibility the former ARCO station may have used gasoline from a refinery that contained MTBE in the formula.

2. **Preferential Pathway Study.** In February 2003, April 2002 and November 2000 ACEH requested a preferential pathway study be completed for your site. To date, we have not received verification the preferential pathway study was completed, nor have we received the requested document. ACEH request that you perform a preferential pathway study that details the potential migration pathways and conduits (wells, utilities, pipelines, etc.) for horizontal and vertical migration which may be present near 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 Soil and Groundwater Investigation 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.

- 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. The well survey should include well data from California Department of Water Resource well database and Alameda County Department of Public Works. As part of your detailed well survey, please perform a background study of the historical land uses of the site and properties nearby the site. Use the results of your background study to determine the existence or unrecorded/unknown (abandoned) wells, which can act as pathways for migration of contamination at and/or from your site. Please review historical maps such as Sanborn maps, aerial photos, etc., when performing the background study. Submittal of map(s) showing the location of all wells identified in your study, and the use of tables to report the data collected as part of your survey are required. Please refer to the Regional Board's guidance for identification, location, and evaluation of potential deep well conduits when conducting your preferential pathway study. Present the result from the preferential pathway study in the report requested below.

**3. Onsite Characterization and Post Remediation Soil and Groundwater Sampling.**

Our review of groundwater analytical data from April 2007 indicates that a source of residual petroleum hydrocarbon may exist beneath your site. Therefore, ACEH requests you perform additional site characterization to determine if the former UST tank pit is a source of residual pollution beneath your site. Please prepare a work plan that details your proposal to perform soil and groundwater sampling to evaluate the magnitude of residual soil and groundwater contamination associated with the 8,000 gallon tank pit, and thus determine if additional onsite remedial activities are warranted.

Onsite remediation completed to date indicates that the radius influence for the onsite treatment system was limited to the area immediately adjacent to the former fuel dispenser island and tank pit. In December 2003, prior to the evaluation of your site for regulatory case closure, ACEH required that confirmation soil and groundwater sampling must be completed to determine the efficacy of the onsite soil vapor extraction and air sparge treatment system. More importantly, confirmation soil and groundwater sampling will verify either the presence or absence of residual TPH and TPH constituents in soil and groundwater near the southern tank excavation, in the area where onsite remediation was focused. Please collect groundwater samples from onsite wells VW/SP-3, VW/SP-4 and VW/SP-5 and propose soil boring and grab groundwater sample locations to document post remediation contamination concentrations. Please include the post remediation soil boring locations in the work plan requested below and submit the results from groundwater sampling in the Soil and Groundwater Investigation report requested below.

**4. Combined Groundwater Monitoring.** ACEH recommends a program of joint groundwater monitoring be implemented for your site and the adjacent site located at 726 Harrison (former Shell/Chan's Service Station) and the site located at 800 Harrison (Unocal # 0752). A program of combined groundwater monitoring will refine local hydrogeologic conditions, and provide a better understanding of the extent of possible impacts to 706 Harrison from offsite upgradient sources of TPH and TPH constituents.

5. **Hydrogeologic Cross Sections.** To help evaluate the lateral and vertical extent of contamination in relation to the depth of existing monitoring and remediation wells, please prepare a minimum of two cross sections. One of the hydrogeologic cross sections should include lithologic data from the upgradient site located at 726 Harrison and extend in a downgradient direction through the former UST pit. The cross sections are to illustrate the lateral and vertical extent of soil layers, depths where groundwater was first encountered in borings and the static water levels, observations of free product, staining, or odor, the approximate location of the groundwater table, USTs and dispensers (including the tank pit backfill), and analytical data from soil samples and groundwater samples for each of the borings and wells shown on the cross sections. In addition, please show the total depth and screen interval for all wells and sparge points. Please present the cross sections in the Soil and Groundwater Investigation Report requested below.

#### **TECHNICAL REPORT REQUEST**

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

- **September 5, 2007** – Work Plan for Soil and Groundwater Investigation with Preferential Pathway Study.

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**

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](http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting)).

#### PERJURY STATEMENT

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

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

#### LANDOWNER NOTIFICATION REQUIREMENTS

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee title holders to the site.

#### UNDERGROUND STORAGE TANK CLEANUP FUND

Please be aware that you may be eligible for reimbursement of the costs of investigation from the California Underground Storage Tank Cleanup Fund (Fund). In some cases, a deductible amount may apply. If you believe you meet the eligibility requirements, we strongly encourage you to call the Fund for an application.

#### 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.

Mr. Bo Gin  
July 30, 2007  
Page 6

Sincerely,



Steven Plunkett  
Hazardous Materials Specialist

cc: Mr. Mark Jonas, Conestoga Rover & Associates, 5900 Hollis Street, Suite A, Emeryville, CA 94608  
Mr. Robert Kitay, Aqua Science Engineers, W. Pintado Road, Danville, CA 94526  
Mr. Sunil Ramdass, SWQCB UST Cleanup Fund, 1001 I Street, 17<sup>th</sup> Floor, Sacramento, CA 95814-2828  
Mr. Kin Chan, Chan's Shell, 4328 Edgewood Avenue, Oakland, CA 94602-1316  
Mr. Peter Yee, Peter & Judy yee Trust, 1000 San Antonio Avenue, Alameda, CA 94501  
Donna Drogos, ACEH, Steven Plunkett, ACEH, File

20484

# CAMBRIA

January 24, 2007

Ms. Donna Drogos  
Alameda County Environmental Health Services  
UST Local Oversight Program  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577  
510/567-6721

Re: **Request for Approval for Onsite Characterization and  
ACEH Pursuit of Remediation at Upgradient Site**  
Former ARCO Service Station  
706 Harrison Street, Oakland, California 94607  
STID 3749; Fuel Leak Case #RO0000484, Cambria Project #230-0116

RECEIVED  
JAN 26 2007  
ENVIRONMENTAL HEALTH SERVICES



Dear Ms. Drogos:

Yesterday I received a call from Mr. Don Hwang stating that he will no longer act as the site manager for Alameda County Environmental Health on the 706 Harrison site, Fuel Leak Case #RO0000484. He asked that I contact you.

We ask that you please address two issues as soon as you can. Attached are correspondences previously sent to Mr. Hwang. Specifically:

- Please approve our recommendation to perform on-site characterization. We will then provide your office with a *Work Plan for Onsite Characterization*. We would like to determine if a source of contamination currently exists at the site.
- Please diligently pursue active remediation at the upgradient site, located at 726 Harrison, Fuel Leak Case #RO0000321. See the attached October 7, 2005 ACEH letter requiring a remediation pilot study. Apparently, Mr. Chan is under the mistaken assumption that he is not required to remediate his site, in contradiction to previous ACEH correspondence.

The 706 Harrison project has been on-going for quite some time and our client and Cambria want to get this site closed as soon as possible. Your support in this effort is greatly appreciated. Please approve our request for on-site characterization via e-mail ([mjonas@cambria-env.com](mailto:mjonas@cambria-env.com)), letter, or by telephone (510/420-3307).

Thank you for your time and consideration.

Sincerely,  
**Cambria Environmental Technology, Inc.**

Mark Jonas, P.G.  
Senior Project Manager

Cambria  
Environmental  
Technology, Inc.

5900 Hollis Street  
Suite A  
Emeryville, CA 94608  
Tel (510) 420-0700  
Fax (510) 420-9170

cc: Mr. Bo K. Gin, 342 Lester Avenue, Oakland, California 94606

**Jonas, Mark**

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**From:** Jonas, Mark  
**Sent:** Monday, January 22, 2007 1:09 PM  
**To:** 'Don Hwang (don.hwang@acgov.org)'  
**Subject:** Request for Authorization for Onsite Characterization - Bo Gin RO0000484

Dear Don:

I hope all is going well with you. I had called and left a message.

In summary, we request to perform additional onsite characterization at the Bo Gin site located at 706 Harrison Street, in Oakland, California. This should help to determine if an on-going source currently exists. We request your authorization to meet the requirement for reimbursement under the UST Fund. After we receive your authorization, we will present an Onsite Characterization Work Plan.

Please authorize onsite characterization for the Bo Gin site, Fuel Leak Case #RO0000484.

Sincerely,

*Mark Jonas*

Mark Jonas, P.G.

Senior Project Manager, x-107

**Cambria Environmental Technology, Inc.**

5900 Hollis Street, Suite A, Emeryville, California 94608

510/420-3307; 510/420-9170 fax

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1/24/2007



**Jonas, Mark**

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**From:** Jonas, Mark  
**Sent:** Friday, January 12, 2007 3:34 PM  
**To:** 'Don Hwang (don.hwang@acgov.org)'  
**Subject:** Request for Onsite Characterization - Bo Gin RO0000484  
**Attachments:** Letter Cambria - ACEH 1-12-07.pdf

Dear Mr. Hwang:

Attached is a letter requesting approval of our recommendation to perform onsite characterization under a Work Plan for the Bo Gin site.

Please provide your approval for the Work Plan for Onsite Characterization.

Sincerely,

*Mark Jonas*

Mark Jonas, P.G.

Senior Project Manager, x-107

**Cambria Environmental Technology, Inc.**

5900 Hollis Street, Suite A, Emeryville, California 94608

510/420-3307; 510/420-9170 fax

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C A M B R I A

January 12, 2007

-- sent via e-mail --

Mr. Don Hwang  
Alameda County Environmental Health Services  
UST Local Oversight Program  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577  
510/567-6746

Re: **Request for Approval of Onsite Characterization**  
Former ARCO Service Station  
706 Harrison Street  
Oakland, California 94607  
STID 3749; Fuel Leak Case RO0000484  
Cambria Project #230-0116



Dear Mr. Hwang:

On behalf of Mr. Bo K. Gin, Cambria Environmental Technology, Inc. recommends that more current onsite soil characterization be performed at the subject site. Our rationale is to collect information necessary to evaluate current risk, remediation, and closure. Please provide your approval for us to provide you with a Work Plan for Onsite Characterization.

Also, please provide a status report on remediation of the upgradient site located at 726 Harrison Street.

If you would like to discuss this or any other issue, please contact Mark Jonas at (510) 420-3307 or at [mjonas@cambria-env.com](mailto:mjonas@cambria-env.com).

Thank you for your time and consideration.

Sincerely,  
**Cambria Environmental Technology, Inc.**

Mark Jonas, P.G.  
Senior Project Manager

Cambria  
Environmental  
Technology, Inc.

5900 Hollis Street  
Suite A  
Emeryville, CA 94608  
Tel (510) 420-0700  
Fax (510) 420-9170

cc: Mr. Bo K. Gin, 342 Lester Avenue, Oakland, California 94606

**Jonas, Mark**

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**From:** Jonas, Mark  
**Sent:** Thursday, December 21, 2006 4:08 PM  
**To:** 'Don Hwang (don.hwang@acgov.org)'  
**Subject:** Status of Remediation at 726 Harrison?  
**Attachments:** 10-7-05 ACEH Letter 726 Harrison.pdf

Dear Don:

Attached is the October 7, 2005 letter from ACEH concerning remediation at the 726 Harrison Street site. This site is adjacent to our client's site at 706 Harrison Street. What is the current status of active remediation at the 726 Harrison site?

Sincerely,

*Mark Jonas*

Mark Jonas, P.G.

Senior Project Manager, x-107

**Cambria Environmental Technology, Inc.**

5900 Hollis Street, Suite A, Emeryville, California 94608

510/420-3307; 510/420-9170 fax

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1/24/2007

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

October 7, 2005

Mr. Peter Yee  
1000 San Antonio Avenue  
Alameda, CA 94501

OCT 12 2005

Kin Chan  
4328 Edgewood Avenue  
Oakland, CA 94602-1316

Subject: Fuel Leak Case No. RO0000321, Chan Service Station, 726 Harrison Street, Oakland, CA

Dear Mr. Yee and Mr. Chan:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site, including the most recent report entitled, "Quarterly Groundwater Monitoring Report, April 2005 Groundwater Sampling" dated July 12, 2005 and prepared on your behalf by Aqua Science Engineers, Inc. ACEH is concerned with the elevated concentrations of fuel hydrocarbons in soil and groundwater at your site and the lack of progress that you have made towards site cleanup. A chemical oxidation pilot test was proposed by your consultant, Aqua Science Engineers, in a work plan dated May 23, 2003 and supplemented by a work plan addendum dated June 15, 2003. ACEH approved the work plan in correspondence dated August 12, 2003. To date, that pilot study has not been started and no cleanup has been conducted at your site. ACEH has repeatedly requested in the correspondence listed below that you initiate this work and submit the required technical reports:

- December 11, 2003 - ACEH correspondence requesting that the pilot study be initiated by September 15, 2003 and that reports be submitted 30 days after the conclusion of the test.
- April 6, 2004 - Notice of Violation. ACEH correspondence informing you that your site is out of compliance and requesting that the results of the pilot test be submitted by June 10, 2004.
- July 26, 2004 - ACEH correspondence requesting that the pilot study be initiated by September 24, 2004 and that reports be submitted 30 days after the conclusion of the test.
- March 21, 2005 - ACEH correspondence requesting that the pilot study be initiated by September 24, 2004 and that reports be submitted 30 days after the conclusion of the test.

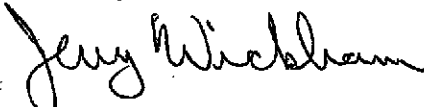
No extensions of due dates or approval of delays have been granted by this office. Therefore, your site is out of compliance with ACEH directives. We are providing a copy of this letter to the Underground Storage Tank Fund. Please note that delays in investigation, late reports, or enforcement actions may result in your site becoming ineligible to receive grant money from the state's Underground Storage Tank Fund (Senate Bill 2004) to reimburse you for the cost of

Peter Yee  
Kin Chan  
October 7, 2005  
Page 2

cleanup. In addition, we may refer 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

We request that you immediately provide this office with notice of your intent to initiate the approved work plan. If you have any questions, please call me at (510) 567-6791.

Sincerely,



Jerry Wickham  
Hazardous Materials Specialist

cc: Sunil Ramdass, SWRCB Cleanup Fund, 1001 I Street, 17<sup>th</sup> floor, Sacramento, CA 95814-2828

Susan D. Barba, 242 California Avenue, San Leandro, CA. 94526

Robert Kitay, Aqua Science Engineers, Inc., 208 W. El Pintado, Danville, CA 94526

✓ Matt Meyers, Cambria Environmental Technology, Inc., 5900 Hollis Street, Suite A, Emeryville, CA 94608

Donna Drogos, ACEH

Jerry Wickham, ACEH

File

## Chan, Barney, Env. Health

---

From: Roger Brewer [Rdb@rb2.swrcb.ca.gov]  
Sent: Friday, December 19, 2003 1:08 PM  
To: barney.chan@acgov.org  
Subject: Re: Appropriateness of Soil Vapor sampling

Ro 484

BoGin

I just got back in the office after being out for three weeks. You should get some data on residual TPHg and BTEX in vadose-zone soil (i.e., above the capillary fringe zone) as well as soil gas data. This will help evaluate the need for future additional cleanup if they ever decide to put residences on the site.

Roger

>>> "Chan, Barney, Env. Health" <barney.chan@acgov.org> 12/08/03  
04:37PM >>>

Roger:

This former ARCO site(706 Harrison St., downtown Oakland) did SVE/AS remediation for a period and discontinued when TPH removal dropped in mass.

A well next to the former UST still exhibits up to 57,000 ppb TPHg,  
2,100

ppb, 8,700, 2200, 10,000 ppb BTEX (DTW 11-15' bgs). Originally,  
Cambria

proposed to advance and sample borings within the former pit to  
determine

residual soil concentration. Their latest proposal state that "with  
the new

ESL emphasis on vapor sample analysis" they propose to sample soil  
vapor

instead. I think they still need to take confirmation soil samples,  
what's

your opinion?

Thanks

Barney M. Chan  
Hazardous Materials Specialist  
Alameda County Environmental Health  
510-567-6765

ALAMEDA COUNTY  
HEALTH CARE SERVICES

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DAVID J. KEARS, Agency Director



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

December 9, 2003

Mr. Bo Gin  
342 Lester Ave.  
Oakland, CA 94606

Dear Mr. Gin:

Subject: Fuel Leak Case RO0000484, 706 Harrison St., Oakland, CA 94607

Alameda County Environmental Health, Local Oversight Program (LOP) staff has received and reviewed the December 1, 2003 Third Quarter 2003 Monitoring Report for the referenced site prepared by Cambria Environmental Technology, Inc. Please address the following technical comments when performing the requested work at your site.

TECHNICAL COMMENTS

- Cambria has proposed to postpone submittal of a work plan to further characterize the site and has alternatively proposed to prepare a work plan for the collection of soil vapor samples. Please be informed that confirmation sampling (soil and groundwater, where appropriate) is still required to document post-remediation residual concentrations. These concentrations shall be used in your site-specific human health risk assessment. Soil vapor sampling cannot replace confirmation sampling. Soil vapor samples are taken after the evaluation of residual soil and groundwater sample results indicate potential excess human health risk due to this exposure pathway.
- The work plan proposal for providing hydrogeologic cross-sections, a hydrocarbon removal mass estimate and a subsurface utility survey has previously been approved.

TECHNICAL REPORT REQUEST

- January 16, 2004- Work plan for confirmation soil and groundwater sampling and soil vapor sampling (if appropriate)

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

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, D. Drogos, files

Mr. Matt Meyers, Cambria Environmental, 5900 Hollis St., Emeryville, CA 94608

Mr. R. Kitay, ASE, 208 W. Pintado, Danville, CA 94526

Mr. S. Ramdass, SWRCB Cleanup Fund, 1001 I St., 17<sup>th</sup> Floor, Sacramento, CA 95814-2828

Mr. Kin Chan, 4328 Edgewood Ave., Oakland, CA 94602

Ms. Susan Chan-Barba, 242 California Ave., San Leandro, CA 94577

ALAMEDA COUNTY  
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DAVID J. KEARS, Agency Director



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

February 25, 2003

Mr. Bo Gin  
288 11<sup>th</sup> St.  
Oakland, CA 94607

Dear Mr. Gin:

Subject: Fuel Leak Site RO0000484, 706 Harrison St., Oakland, CA 94607

Our office has recently reviewed the case file for the subject site and have spoke with Mr. Sunil Ramdass of the Underground Storage Tank Cleanup Fund (Fund) and Mr. Meyers of Cambria Environmental regarding proposed future site activities. Additional information is necessary to progress your site towards case closure. Please address the following technical comments when performing the requested work at your site.

Technical Comments

1. It is appropriate to reduce the monitoring frequency to semi-annual (first and third quarters) in those wells, which have shown decreasing petroleum concentrations ie MW-3, MW-5, MW-6 and MW-7. The other three wells should be monitored quarterly, but their results can be included in the following semi-annual reports. We request that you also attempt to sample groundwater from VW/SP-3 and VW/SP-4 at least on a one-time basis. You may make recommendations to continue or stop sampling after reviewing the initial sampling results.
2. Because the air sparge system does not extend into the area of the presumed highest impacted groundwater (MW-2), it is not recommended to continue air sparging unless groundwater contamination remains within the southwest tank pit.
3. The area of the former 6K gasoline tank appears to be a source of residual groundwater contamination, therefore, we request that several grab groundwater samples be collected within the former UST tank pit. This area, though it may be impacted from the neighboring site, 726 Harrison St., appears to also have significant groundwater contamination of its own. Should groundwater require remediation within this area, we request that you discuss remediation options with the consultant for 726 Harrison St., given the similarity in sites and site conditions. I understand from your consultant, they are also considering taking vapor samples.
4. As earlier requested, please perform a utility and sensitive receptor survey. You should wait before performing your human-health risk assessment to complete site characterization and to incorporate the most current analytical data.

Technical Report Request

Please submit the following report according to the following schedule

- March 25, 2003-work plan for further characterization of both former gasoline tank pits, confirmation of groundwater monitoring schedule and utility and sensitive receptor survey.



Mr. Bo Gin  
RO0000484  
706 Harrison St., Oakland, CA 94607  
February 25, 2003  
Page 2

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

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, files

Mr. Matt Meyers, Cambria Environmental, 5900 Hollis St., Emeryville, CA 94608

Mr. K. Chan, 4328 Edgewood Ave., Oakland, CA 94602

Ms. Susan Chan-Barba, 242 California Ave., San Leandro, CA 94577

Mr. R. Kitay, ASE, 208 W. Pintado, Danville, CA 94526

Mr. S. Ramdass, SWRCB Cleanup Fund, 1001 I St., 17<sup>th</sup> Floor, Sacramento, CA 95814-2828

706Harrisonwp



**Winston H. Hickox**  
Secretary for  
Environmental  
Protection

# State Water Resources Control Board

## Division of Clean Water Programs

1001 I Street • Sacramento, California 95814  
P.O. Box 944212 • Sacramento, California • 94244-2120  
(916) 341-5757 • FAX (916) 341-5806 • [www.swrcb.ca.gov/cwphome/ustcf](http://www.swrcb.ca.gov/cwphome/ustcf)



**Gray Davis**  
Governor

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption.  
For a list of simple ways you can reduce demand and cut your energy costs, see our website at [www.swrcb.ca.gov](http://www.swrcb.ca.gov).*

May 20, 2002

Bo Gin  
288 11th St  
Oakland, CA 94607

**MAY 31 2002**

**PRE-APPROVAL OF CORRECTIVE ACTION COSTS,  
CLAIM NO. 001254, PA # 15  
SITE ADDRESS: 706 HARRISON ST, OAKLAND, CA 94606**

I have reviewed your request, received on May 6, 2002, for pre-approval of corrective action costs. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective action costs.

With the following provisions, the total cost pre-approved as eligible for reimbursement for completing the April 12, 2002, Cambria meeting approved by the Alameda County EHD (County) in their April 15, 2002 letter, is \$ 13,918; see the table below for a breakdown of costs. *(The total amount that has been reimbursed and approved for payment up to this point is \$ 329,850.)*

Be aware that this pre-approval does not constitute a decision on reimbursement: **necessary** (as determined by the Fund) corrective action costs for action work **directed and approved by the County** will be eligible for reimbursement at costs consistent with those pre-approved in this letter. However, depending on what happens in the field, some costs may not actually be necessary.

In an effort to expedite future reimbursement requests associated with the implementation of the corrective action tasks pre-approved in this letter, we ask that the attached 'Pre-Approval Specific Reimbursement Request Form' be completed, updated and submitted with each reimbursement request. All relevant supporting documentation must also be included with each reimbursement request.

***In order for future costs for corrective action to be part of the expedited reimbursement process, they must be pre-approved in writing by Fund staff.***

***All costs for corrective action must meet the requirements of Article 11, Chapter 16, Underground Storage Tank Regulations in order to be eligible for reimbursement.***

### COST PRE-APPROVAL BREAKDOWN

#	Task*	Amount Pre-Approved	Comments
1	System O & M (April - December 2002)	\$4,415	This cost includes all time and materials associated with this task. System O & M (April - December 2002)
2	Agency Correspondences/Project Management	\$1,020	This cost includes all time and materials associated with this task
3	Additional Groundwater Analyses	\$ 453	See comment above.
4	Tier 1 Human Health Risk Assessment/Workplan	\$2,660	Copies of all reports must be submitted to the Fund.
5	Hydrocarbon Mass Estimate	\$1,360	See comment above.
6	File Review and Cross Sections	\$2,610	This cost includes all time and materials associated with this task to comply with Alameda County's request.
7	Plume Evaluation and Utility Study.	\$1,400	See comment above.
	<b>TOTAL PRE-APPROVED</b>	<b>\$ 13,918</b>	

\* Task descriptions are the same as those identified in Cambria's April 30, 2002 cost estimate.

- Only the tasks/costs reflected on the above table are pre-approved at this time. The Fund will review any tasks/costs that go beyond the pre-approved amount to be determined if the additional tasks and costs are necessary and reasonable. However, if costs exceed the above pre-approved amounts, the Fund will be unable to expedite your Reimbursement Request.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.
- If a different scope of work becomes necessary, then you must request pre-approval of costs on the new scope of work.
- Although I have referred to the Cambria proposal in my pre-approval above, please be aware that you will be entering into a private contract: the State of California cannot compel you to sign any specific contract. This letter **pre-approves the costs** as presented in the proposal dated April 30, 2002 by Cambria for conducting the work approved by the County.

I also want to remind you that the Fund's regulations require that you obtain at least three bids, or a bid waiver from Fund staff, from qualified firms for all necessary future corrective action work. If you need assistance in procuring contractor and consultant services, don't hesitate to call me.

Please remember that it is still necessary to submit the actual costs of the work as explained in the Reimbursement Request Instructions to confirm that the costs are consistent with this pre-approval before you will be reimbursed. ***Please insure that your consultant prepares their invoices to include the required breakdown of costs on a time and materials basis, that invoiced tasks are consistent with the original proposal, and that reasonable explanations are provided for any changes made in the scope of work or increases in the costs. When the invoices are submitted you must include copies of all:***

- *subcontractor invoices,*
- *technical reports, when available, and*
- *applicable correspondence from the County.*

Please call if you have any questions; I can be reached at (916) 341-5757.

Sincerely,

*Sunil Ramdass*

Sunil Ramdass, Water Resources Control Engineer  
Technical Review Unit  
Underground Storage Tank Cleanup Fund

Enclosure

cc: Ms. Donna Drogos  
Alameda County EHD  
✓ 1131 Harbor Bay Pkway, 2nd Fl.  
Alameda, CA 94502-6577

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

April 15, 2002  
RO0000484

Mr. Bo Gin  
288 11<sup>th</sup> St.  
Oakland, CA 94607

Re: Fuel Leak Site RO0000484, 706 Harrison St., Oakland, CA 94607

Dear Mr. Gin:

This letter recounts items discussed during our meeting on April 12, 2002 with you, Mr. Ron Scheele of Cambria Environmental and myself. As pointed out in the latest Cambria groundwater monitoring report, a trend of declining petroleum concentration has been observed in previously impacted wells at this site. The exact cause of this decline is not completely understood. To further the site towards closure, we discussed a number of items, which I have listed below and augmented.

Technical Comments:

1. A formal human health risk assessment should be prepared. This should include an evaluation of all past soil and groundwater data and an evaluation of all potential exposure pathways. All chemicals of concern (COC) should be evaluated including MTBE and TPHg. If this evaluation indicates a potential unacceptable human health risk, you should provide a work plan for additional sampling of the appropriate media (soil, groundwater and/or air). We discussed potential soil re-sampling and depth discrete soil vapor sampling.
2. You are referred to my December 20, 2000 letter. Our office again requests you to provide an estimate of the mass (pounds) of the original release to soil and groundwater and a compare this against that which was removed by your remediation system. It is understood that this does not account for the additional bio-remediation that has occurred as a result of air sparging that continues at the site.
3. As previously requested by Mr. Seto of our office, please perform a sensitive receptor survey and conduit study for your site.
4. Quarterly groundwater monitoring should continue and the concentration trend observed. Please include the analysis of the additional chemicals, TAME, ETBE, DIPE, TBA, EDB and EDC, which may be included in an EPA Method 8260 analysis.

We recognize that site closure may be difficult without active remediation occurring at 726 Harrison St.. I informed you that steps are underway to propose a remediation system there. You are encouraged to review the files for their site or contact their consultant at Aqua Science Engineers. If possible, groundwater sampling should be coordinated and cross-sectional diagrams made including both sites.

Mr. Bo Gin  
RO0000484  
706 Harrison St., Oakland, CA 94607  
April 15, 2002  
Page 2

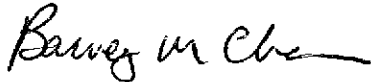
Technical Report Request

Please submit the following reports according to the following schedule:

- May 15, 2002- human health risk assessment and if necessary a work plan for additional site investigation

If you have any questions, please contact me at (510) 567-6765.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

✓ C: B. Chan, files

Mr. R. Scheele, Cambria Environmental, 1144 65<sup>th</sup> St., Suite B, Oakland, CA 94608  
Mr. K. Chan, 4328 Edgewood Ave., Oakland, CA 94602  
Mr. R. Kitay, ASE, 208 W. El Pintado, Danville, CA 94526

706 Harrison



**Winston H. Hickox**  
Secretary for  
Environmental  
Protection

# State Water Resources Control Board

## Division of Clean Water Programs

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P.O. Box 944212 • Sacramento, California • 94244-2120  
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**Gray Davis**  
Governor

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January 31, 2002

Bo Gin  
288 11th St  
Oakland, CA 94607

FEB 14 2002

**REQUEST FOR PRE-APPROVAL OF CORRECTIVE ACTION COSTS,  
CLAIM NO. 001254, PA # 14  
SITE ADDRESS: 706 HARRISON ST, OAKLAND, CA 94606**

I have reviewed your request, received on January 14, 2002, for pre-approval of corrective action costs; I will place these documents in your file for future reference. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective action costs.

Pursuant to Section 2811.4, subdivision (c), of the Cleanup Fund regulations and based upon the materials submitted, the Cleanup Fund must deny your request for pre-approval. You have failed to submit the required three bids for the tasks covered by your pre-approval request. Also the, single bid you provided for the task covered by your pre-approval request is unreasonable for the scope of work. Based on the Cleanup Fund's experience with similar sites in your area, we have determined that \$ 12,000 is reasonable for the tasks included in your pre-approval request. The breakdown of costs associated with each task is shown in Table 1 below.

There are two options available to you. You must secure the requisite bids for the tasks covered by the pre-approval request, and the Cleanup Fund will evaluate the reasonableness of the costs in light of the additional bids.

Or, you may resubmit the existing bid and request pre-approval for the amounts specified in Table 1. Since the Cleanup Fund has determined that the amount specified in Table 1 is reasonable for this scope of work, the three-bid requirement is unnecessary if you concur with the Cleanup Fund's determination. The Cleanup Fund has the authority to waive the three-bid requirement as unnecessary upon your request to do so. Therefore, if your resubmitted pre-approval request only seeks pre-approval for the amount the Cleanup Fund has determined reasonable (the amount specified in Table 1) and you request waiver of the three-bid requirement as unnecessary, the Cleanup Fund will grant your request for pre-approval and waive the three bid requirement, with respect to this scope of work, as unnecessary.

A waiver does not waive the three-bid requirement for the claim, but only for the tasks covered by the pre-approval request. Again, if you decide to seek waiver of the three-bid requirement because it is unnecessary, then you must provide a written request for waiver of the three-bid requirement and resubmit your pre-approval request seeking only the amounts specified in Table

*California Environmental Protection Agency*

1. In an effort to assist you in expediting the pre-approval process we have prepared the attached *Acceptance of Reasonable Cost/Request for Bid Waiver* form letter. If you concur/accept our reasonable cost determination and would like to request a bid waiver, then just sign and date the attached letter and return to us for further processing your Pre-Approval.

**Table 1**  
**REASONABLE COST BREAKDOWN**

#	Task*	Reasonable Cost, \$	Comments/Changes
1	QMRs of 3 MWs for 4 Events & 4 MWs for 2 Events	\$12,000	This cost includes all time and materials associated with this task. ( QMRs of 3 MWs for 4 Events & 4 MWs for 2 Events). Copies of all reports must be submitted to the Fund.
	<b>TOTAL Reasonable Cost</b>	<b>\$ 12,000</b>	

\* Task descriptions are the same as those identified in Cambria's January 11, 2002 Cost Estimate

Should you decide to obtain the additional bids for satisfying the three-bid requirement, and if you need assistance in procuring contractor and consultant services for corrective action don't hesitate to call me at (916) 341-5757.

Sincerely,

*Sunil Ramdass*

Sunil Ramdass, Water Resources Control Engineer  
Technical Review Unit  
Underground Storage Tank Cleanup Fund

Enclosure

cc: Ms. Susan Hugo  
Alameda County EHD  
1131 Harbor Bay Pkway, 2nd Fl.  
Alameda, CA 94502-6577





# State Water Resources Control Board

Winston H. Hickox  
Secretary for  
Environmental  
Protection

## Division of Clean Water Programs

1001 I Street • Sacramento, California 95814  
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Gray Davis  
Governor

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website at www.swrcb.ca.gov.*

July 30, 2001

RO 484

Bo Gin  
288 11th St  
Oakland, CA 94607

**REQUEST FOR PRE-APPROVAL OF CORRECTIVE ACTION COSTS,  
CLAIM NO. 001254, PA # 13  
SITE ADDRESS: 706 HARRISON ST, OAKLAND, CA 94607 7**

I have reviewed your request, received on July 5, 2001, for pre-approval of corrective action costs; I will place these documents in your file for future reference. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective action costs.

Pursuant to Section 2811.4, subdivision (c), of the Cleanup Fund regulations and based upon the materials submitted, the Cleanup Fund must deny your request for pre-approval. You have failed to submit the required three bids for the tasks covered by your pre-approval request. Also the, single bid you provided for the task covered by your pre-approval request is unreasonable for the scope of work. Based on the Cleanup Fund's experience with similar sites in your area, we have determined that \$ 17,022 is reasonable for the tasks included in your pre-approval request. The breakdown of costs associated with each task is shown in Table 1 below.

There are two options available to you. You must secure the requisite bids for the tasks covered by the pre-approval request, and the Cleanup Fund will evaluate the reasonableness of the costs in light of the additional bids.

Or, you may resubmit the existing bid and request pre-approval for the amounts specified in Table 1. Since the Cleanup Fund has determined that the amount specified in Table 1 is reasonable for this scope of work, the three-bid requirement is unnecessary if you concur with the Cleanup Fund's determination. The Cleanup Fund has the authority to waive the three-bid requirement as unnecessary upon your request to do so. Therefore, if your resubmitted pre-approval request only seeks pre-approval for the amount the Cleanup Fund has determined reasonable (the amount specified in Table 1) and you request waiver of the three-bid requirement as unnecessary, the Cleanup Fund will grant your request for pre-approval and waive the three bid requirement, with respect to this scope of work, as unnecessary.

A waiver does not waive the three-bid requirement for the claim, but only for the tasks covered by the pre-approval request. Again, if you decide to seek waiver of the three-bid requirement because it is unnecessary, then you must provide a written request for waiver of the three-bid requirement and resubmit your pre-approval request seeking only the amounts specified in Table 1. In an effort to assist you in expediting the pre-approval process we have prepared the attached *Acceptance of Reasonable Cost/Request for Bid Waiver* form letter. If you concur/accept our reasonable cost determination and would like to request a bid waiver, then just sign and date the attached letter and return to us for further processing your Pre-Approval.

*California Environmental Protection Agency*

**Table 1**  
**REASONABLE COST BREAKDOWN**

#	Task*	Reasonable Cost, \$	Comments/Changes
1	O & M	\$6,573	Based on the proposal submitted, the Fund can only pre-approve cost for work that have not been completed. Thus, only 6 months of O & M costs are approved (August 2001 to January 2002). The proposal submitted requested costs for 13 months of O&M (14,241.50). Only 6 months are approved at this time. Cost for work already completed, will be evaluated for its eligibility at thr time of reimbursement.
2	Quarterly Monitoring (2 events)	\$7,065	This cost is for all time and material associated with this task (2 monitoring events - 3rd. and 4th. Quarters 2001).
3	Agency Letter Response	\$1,860	Sr. Geologist hours reduced to 4 hours @ \$105/hr., Staff Geologist hours reduced to 12 hours @ \$85/hr.
4	Agency Meetings.	\$1,524	This cost is for 6 months only. Sr. Geologist hours reduced to 12 hours @ \$105/hr., Clerical 6 Hours @ \$44/hr.
	<b>TOTAL Reasonable Cost</b>	<b>\$ 17,022</b>	

\* Task descriptions are the same as those identified in Cambria's June 25, 2001 Cost Estimate

Should you decide to obtain the additional bids for satisfying the three-bid requirement, and if you need assistance in procuring contractor and consultant services for corrective action don't hesitate to call me at (916) 341-5757.

Sincerely,



Sunil Ramdass, Water Resources Control Engineer  
Technical Review Unit  
Underground Storage Tank Cleanup Fund

Enclosure

cc: Barney Chan  
Alameda County EHD  
1131 Harbor Bay Pkway, 2nd Fl.  
Alameda, CA 94502-6577





# State Water Resources Control Board



**Winston H. Hickox**  
Secretary for  
Environmental  
Protection

**Division of Clean Water Programs**  
1001 I Street • Sacramento, California 95814 • (916) 341-5831  
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120  
FAX (916) 341-5806 • Internet Address: <http://www.swrcb.ca.gov/cwphome/ustcf>

**Gray Davis**  
Governor

December 29, 2000

Bo Gin  
288 11th St  
Oakland, CA 94607

**REQUEST FOR PRE-APPROVAL OF CORRECTIVE ACTION COSTS,  
CLAIM NO. 001254, PRE-APPROVAL REQUEST NO. 12  
SITE ADDRESS: 706 HARRISON ST, OAKLAND, CA 94606**

I have reviewed your request, received on December 15, 2000, for pre-approval of corrective action costs; I will place these documents in your file for future reference. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective action costs.

Pursuant to Section 2811.4, subdivision (c), of the Cleanup Fund regulations and based upon the materials submitted, the Cleanup Fund must deny your request for pre-approval. You have failed to submit the required three bids for the tasks covered by your pre-approval request. Also the, single bid you provided for the task covered by your pre-approval request is unreasonable for the scope of work. Based on the Cleanup Fund's experience with similar sites in your area, we have determined that \$ 10,228 is reasonable for the tasks included in your pre-approval request. The breakdown of costs associated with each task is shown in Table 1 below. Based upon the information you submitted and in the absence of additional bids, we can only pre-approve \$ 10,228.

There are two options available to you. You must secure the requisite bids for the tasks covered by the pre-approval request, and the Cleanup Fund will evaluate the reasonableness of the costs in light of the additional bids.

Or, you may resubmit the existing bid and request pre-approval for the amounts specified in Table 1. Since the Cleanup Fund has determined that the amount specified in Table 1 is reasonable for this scope of work, the three-bid requirement is unnecessary if you concur with the Cleanup Fund's determination. The Cleanup Fund has the authority to waive the three-bid requirement as unnecessary upon your request to do so. Therefore, if your resubmitted pre-approval request only seeks pre-approval for the amount the Cleanup Fund has determined reasonable (the amount specified in Table 1) and you request waiver of the three-bid requirement as unnecessary, the Cleanup Fund will grant your request for pre-approval and waive the three bid requirement, with respect to this scope of work, as unnecessary.

A waiver does not waive the three-bid requirement for the claim, but only for the tasks covered by the pre-approval request. Again, if you decide to seek waiver of the three-bid requirement because it is unnecessary, then you must provide a written request for waiver of the three-bid

requirement and resubmit your pre-approval request seeking only the amounts specified in Table 1. In an effort to assist you in expediting the pre-approval process we have prepared the attached *Acceptance of Reasonable Cost/Request for Bid Waiver* form letter. If you concur/accept our reasonable cost determination and would like to request a bid waiver, then just sign and date the attached letter and return to us for further processing your Pre-Approval.

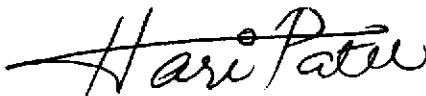
**Table 1**  
**REASONABLE COST BREAKDOWN**

#	Task*	Reasonable Cost, \$	Comments/Changes
1	Labor/Personnel	\$1,615	GW gauging and sampling. Routine QMR reporting with conclusions and recommendations. Figures of gw flow gradient, isocon for TPH(g), MTBE and BTEX. Report to be signed and stamped by a Registered Professional
2	Direct expenses	\$ 229	Equipment and supplies for conducting the GW sampling & monitoring event.
3	Outside expenses	\$ 713	Laboratory analysis of GW samples for TPH(g), BTEX and MTBE using EPA methods 8015/8020 and 8260.
4	Three QMR events	\$7,671	Three additional GW monitoring events as described in Tasks 1 to 3 above.
	<b>TOTAL Reasonable Cost</b>	<b>\$10,228</b>	

\* Task descriptions are the same as those identified in Cambria's December 15, 2000 Cost Estimate

Should you decide to obtain the additional bids for satisfying the three-bid requirement, and if you need assistance in procuring contractor and consultant services for corrective action don't hesitate to call me at (916) 341-5831.

Sincerely,



Hari Patel, Sanitary Engineering Associate  
Technical Review Unit  
Underground Storage Tank Cleanup Fund

Enclosure

cc: ✓ Mr. Larry Seto  
Alameda County EHD  
1131 Harbor Bay Pkway, 2nd Fl.  
Alameda, CA 94502-6577

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

December 20, 2000

StID # 3749 /RO 484

Mr. Bo Gin  
288 11<sup>th</sup> St.  
Oakland CA 94607

**Re: Former ARCO Station, 706 Harrison St., Oakland CA 94607**

Dear Mr. Gin:

I have reviewed the case files for your site and that of the neighboring sites at 800 Harrison St. and 726 Harrison St. I have also reviewed your consultant's Remediation System Operation Report and System Shutdown Request dated October 11, 2000. At this point, our office does not have enough information to concur with your consultant's recommendation. It appears that Cambria is suggesting that the site has reached a "low risk groundwater case" status as defined in the San Francisco Regional Water Quality Control Board (SFRWQCB) Supplemental letter to the Bay Area agencies.

Your consultant has been requested to submit a receptor survey, a conduit study and concentration versus time curve for the on-site wells in Mr. Seto's November 28, 2000 letter. Risk has been evaluated by your consultant, who has compared the highest benzene concentration in well MW-2 against the City of Oakland Tier 2 Site Specific Target Level (SSTL) for Merritt sands. This comparison concludes there is no potential risk to human health through vapor inhalation of indoor air in a commercial setting.

To further support your consultant's request for system shutdown please address the following additional concerns:

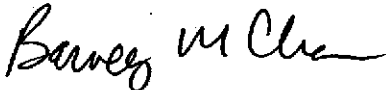
- The Cambria report states that approximately 1871 pounds of hydrocarbons has been removed from extraction system over the period of operation. Please provide an estimate of the amount in pounds of the original hydrocarbon release (to soil and groundwater) so as to be able to estimate the amount remaining on-site.
- Figure A in the Cambria report shows a plot of TPH concentration in air and total pounds of hydrocarbon removed over time. However, if you look at the same type of plot using the TPH concentration in groundwater, there is very little effect seen as a result of the remediation. Doesn't this indicate significant residual TPH exists at the site?
- The human health risk evaluation did not evaluate residual subsurface soil concentrations. Original soil results within the former tank pit showed elevated benzene concentrations in soil. Will there be any attempt to take confirmation soil samples to demonstrate contaminant concentration reduction?
- Figure A indicates asymptotic removal concentrations with the current system, however, given the elevated concentrations seen in MW-1 and MW-2, are there modifications to the system that can be done to remediate contamination in these areas?

Mr. Bo Gin  
StID # 3749  
Former ARCO, 706 Harrison St., Oakland 94607  
December 20, 2000  
Page 2.

- The Oakland RBSLs are human health protective while the SFRWQCB RBSLs are protective of human health, ecological health and other nuisance conditions. It is, therefore, important to look at all potential exposure pathways and all chemicals of concern to come up with the most appropriate cleanup numbers. Benzene concentration in groundwater may not be the chemical driving the cleanup. Please examine all exposure pathways, all chemicals of concern and their cleanup level. To this end, our office is not convinced that all MTBE on your site has originated from an off-site source. Concentration trends of this chemical are not consistent with this theory. Therefore, please include an evaluation of MTBE cleanup requirements in your risk evaluation.

**Please have your consultant contact me should you have any questions regarding this letter or wish to have a meeting. A written response to this letter is requested within 45 days or no later than February 2, 2001. I may be reached at (510) 567-6765 if you have any questions.**

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

✓ C: B. Chan, files

R. Scheele, Cambria Environmental, 1144 65<sup>th</sup> St., Suite B, Oakland 94608  
Mr. K. Chan, 4328 Edgewood Ave., Oakland CA 94602  
Mr. R. Kitay, ASE, 208 W. El Pintado, Danville, CA 94526

Stat706Harrison

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

November 28, 2000

Mr. Bo Gin  
288 11<sup>th</sup> Street  
Oakland, CA 94607  
STID 3749

RE: Former Arco Station, 706 Harrison Street, Oakland, CA 94607

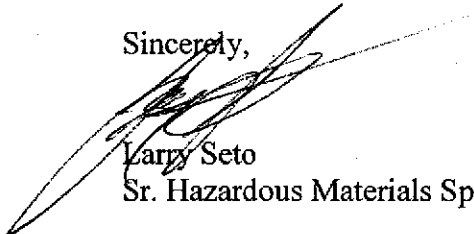
Dear Mr. Gin:

I have reviewed your Remediation System Operation Report and System Shutdown Request dated October 11, 2000 with Mr. Barney Chan. I have been transferred to another position within my office, and Mr. Chan is the new caseworker for this site. Before a decision can be made on your request to discontinue active remediation (air sparging) and to remove the remediation system from the site, Mr. Chan would like to review with the site file more closely along with the site files of 726 Harrison and 800 Harrison Street, Oakland.

To assist this office in evaluating your site for closure, please submit a receptor survey, a conduit study and concentration (contaminates) vs. time curves for the on-site wells.

If you have any questions, please contact me at (510) 567-6774 or Barney Chan at (510) 567-6765.

Sincerely,



Larry Seto  
Sr. Hazardous Materials Specialist

Cc: Ron Scheele, Cambria Environmental, 1144 65<sup>th</sup> Street, Suite B, Oakland,  
CA 94608  
Barney Chan, Alameda County Environmental Health  
Files



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

February 2, 2000

Mr. Bo Gin  
288 11<sup>th</sup> Street  
Oakland, CA 94607  
STID 3749

RE: Former Arco Station, 706 Harrison Street, Oakland, CA 94607

Dear Mr. Gin:

During our phone conversation today, you addressed my concern of a possible MTBE source at the above property. You informed me that your only supplier of gasoline, Arco informed you that they did not put MTBE in their gasoline until 1994-1995. The underground storage tanks at the above site were removed in 1985.

I have enclosed a document dated May 15, 1998 written by the California Regional Water Quality Control Board, San Francisco Bay Region. On page 2 of the document, it states "MTBE was first used as an octane booster starting in the mid -- 1980s in the Bay Area". There is a possibility that Arco may have obtained gasoline from another refinery that had MTBE in their gasoline.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,



Larry Seto  
Sr. Hazardous Materials Specialist

Cc: David Elias, Cambria Environmental, 1144 65<sup>th</sup> Street, Suite B  
Oakland, CA 94608

Files

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

January 28, 2000

Mr. David Elias  
Cambria Environmental  
1144 65<sup>th</sup> Street, Suite B  
Oakland, CA 94608  
STID 3749

RE: Former Arco Station, 706 Harrison Street, Oakland, CA

Dear Mr. Elias:

I have reviewed the Third Quarter 1999 Monitoring Report dated December 2, 1999 that was prepared by Cambria Environmental. On August 27, 1999, Cambria Environmental consultants for 706 Harrison coordinated field activities with Aqua Science Engineers, consultants for adjacent upgradient site at 726 Harrison Street. Groundwater samples from both sites were sent to McCambell Analytical of Pacheco, CA.

After reviewing the analytical data, Cambria does not recommend evaluating the closure of 706 Harrison Street candidacy based on MTBE concentrations, but rather on the TPHg/BTEX concentrations detected historically beneath the site.

I have compared the MTBE data from groundwater samples collected on August 27, 1999 from the two sites. It is inconclusive if the MTBE detected in the groundwater at 706 Harrison Street came from 726 Harrison Street. Historical data identifies MTBE concentration at 706 Harrison as being higher in downgradient well MW-1 when compared to upgradient well MW-2. This is an indication an MTBE source maybe present at 706 Harrison. Therefore, when the site is being evaluated for closure, the MTBE concentration has to be taken into consideration.

*MTBE used  
in gas in  
Mid 1980's  
CAL/EPA letter  
dated 5-15-98, P.2.*

If you have any questions, please contact me at (510) 567-6774.

Sincerely,

  
Larry Beto  
Sr. Hazardous Materials Specialist

Cc: Mr. Bo K. Gin, 288 11<sup>th</sup> Street, Oakland, CA  
Files

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

October 8, 1999

Mr. Bo Gin  
288 11<sup>th</sup> Street  
Oakland, CA 94706

RE: 706 Harrison Street, Oakland, CA 94607

Dear Mr. Gin:

I have reviewed the 2<sup>nd</sup> Quarter 1999 Monitoring Report that was prepared by Cambria Environmental. Sampling of groundwater in monitoring wells MW-3, MW-5, MW-6 and MW-7 may be reduced to semi-annual basis.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,



Larry Seto  
Sr. Hazardous Materials Specialist

Cc: David Elias, Cambria, 1144 65<sup>th</sup> Street, Suite B, Oakland, CA 94608  
Files

# State Water Resources Control Board



5710 #3749

## Division of Clean Water Programs

Winston H. Hickox  
Secretary for  
Environmental  
Protection

2014 T Street • Sacramento, California 95814 • (916) 227-7886  
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120  
FAX (916) 227-4530 • Internet Address: <http://www.swrcb.ca.gov/~cwphome/ustcf>



LS

99 APR 20 AM 8:48  
Gray Davis  
Governor  
DEPARTMENT OF  
ENVIRONMENTAL  
PROTECTION

April 15, 1999

Bo Gin  
288 11th St  
Oakland, CA 94607

### PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 001254, SITE ADDRESS: 706 HARRISON ST, OAKLAND, CA 94606

I have reviewed your request, received on April 13, 1999, for pre-approval of corrective action costs; I will place these documents in your file for future reference. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective actions costs.

With the following provisions, the total cost pre-approved as eligible for reimbursement, for the replacement of well heads, is **\$1,990**; refer the proposal for a breakdown of costs. The well head replacement costs have been pre-approved on a one-time basis only.

*Be aware that this pre-approval does not constitute a decision on reimbursement: **all reasonable and necessary** corrective action costs for work **directed and approved by the County** will be eligible for reimbursement per the terms of your Letter of Commitment at costs consistent with those pre-approved in this letter.*

***All future costs for corrective action must be approved in writing by Fund staff.  
Future costs for corrective action must meet the requirements of  
Article 11, Chapter 16, Underground Storage Tank Regulations.***

- The actual costs and scope of work performed must be consistent with the pre-approval for it to remain valid.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.
- It is my opinion that it is unnecessary to obtain three bids for this scope of work; the Fund's three bid requirement is waived for this scope of work.
- If a different scope of work becomes necessary, then you must request pre-approval of costs on the new scope of work.
- Although I have referred to the Cambria Environmental proposal in my pre-approval above, please be aware that you will be entering into a private contract: the State of California cannot compel you to sign any specific contract. This letter **pre-approves the costs** as presented in the proposal dated April 7, 1999 by Cambria Environmental.

I also want to remind you that the Fund's regulations require that you obtain at least three bids, or a bid waiver from Fund staff, from qualified firms for all necessary corrective action work. The legislation

California Environmental Protection Agency



Recycled Paper

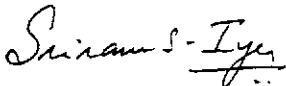
governing the Fund requires that the Fund assist you in procuring contractor and consultant services for corrective action. If you need assistance in contracting for corrective action services, don't hesitate to call me.

Please remember that it is still necessary to submit the actual costs of the work as explained in the Reimbursement Request Instructions to confirm that the costs are consistent with this pre-approval before you will be reimbursed. ***Please insure that your consultant prepares their invoices to include the required break down of costs on a time and materials basis, that invoiced tasks are consistent with the original proposal, and that reasonable explanations are provided for any changes made in the scope of work or increases in the costs. When the invoices are submitted you must include copies of all:***

- subcontractor invoices,
- technical reports, when available, and
- applicable correspondence from the County.

Please call if you have any questions; I can be reached at (916) 227-7886.

Sincerely,



Sriram Iyer, Water Resources Control Engineer  
Technical Review Unit  
Underground Storage Tank Cleanup Fund

Enclosure

cc:

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

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

December 3, 1998

Mr. David Elias  
Cambria Environmental  
1144-65th Street  
Suite B  
Oakland, CA 94608

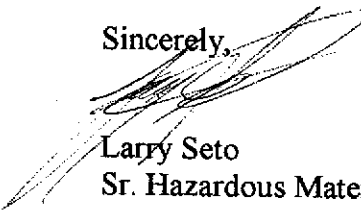
RE: 726 Harrison Street, Oakland, CA

Dear Mr. Elias:

As you requested, enclosed is a copy of the workplan for a Soil and Groundwater Assessment dated November 16, 1998 for the above site. This site is upgradient from the 706 Harrison Street, Oakland.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,



Larry Seto  
Sr. Hazardous Materials Specialist

Cc: Files



# State Water Resources Control Board

John P. Caffrey, Chairman



Pete Wilson  
Governor

Peter M. Rooney  
Secretary for  
Environmental  
Protection

## Division of Clean Water Programs

2014 T Street, Suite 130 • Sacramento, California 95814 • (916) 227-7887 FAX (916) 227-4530  
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120  
Internet Address: <http://www.swrcb.ca.gov/~cwphome/ustcf/fundhome.htm>

98 JUL 16 PM 3:54

#3749  
LS

July 14, 1998

Mr. Bo Gin  
288 11th St  
Oakland, CA 94607

### PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 1254 SITE ADDRESS: 706 HARRISON ST, OAKLAND, CA 94606

I have reviewed the cost pre-approval request prepared by Cambria Environmental Technology and will place these documents in your file for future reference. This pre-approval is specific to the activities as outlined in the June 29, 1998 proposal by Cambria for **the disposal of eleven drums of monitoring well purge water and aeration of two drums of soil cuttings generated during monitoring well installation.** With the following provisions, the total cost pre-approved as eligible for reimbursement is \$ 2,185; see the table below for a breakdown of costs.

Future pre-approval requests should be submitted by the claimant or an authorized representative and include a signed copy of the *Cost Pre-approval Request* form. I have enclosed a copy of the pre-approval form for your use. Any future pre-approval requests will be returned to the sender unless requested by you or your authorized representative.

Be aware that this pre-approval does not constitute a decision on reimbursement: **all reasonable and necessary** corrective action costs for work **directed and approved by the County** will be eligible for reimbursement per the terms of your Letter of Commitment at costs consistent with those pre-approved in this letter.

*All future costs for corrective action must be approved in writing by Fund staff.  
Future costs for corrective action must meet the requirements of  
Article 11, Chapter 16, Underground Storage Tank Regulations.*

### COST PRE-APPROVAL BREAKDOWN

Task	Amount Pre-Approved	Comments
Project Coordination and Soil Aeration	\$793	Includes Cambria staff time for oversight, review, profiling, document preparation, regulatory agency coordination, and soil aeration.
Drum Disposal	\$1392	Subcontractor services to transport and dispose of 11 drums. <b>Maximum 15% markup.</b>
<b>TOTAL PRE-APPROVED</b>	<b>\$ 2,185</b>	

- The actual costs and scope of work performed must be consistent with the pre-approval for it to remain valid.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.

- It is my opinion that it is unnecessary to obtain three bids for this scope of work; the Fund's three bid requirement is waived for this scope of work.
- If a different scope of work becomes necessary, then you must request pre-approval of costs on the new scope of work.
- Although I have referred to the proposal in my pre-approval above, please be aware that you will be entering into a private contract: the State of California cannot compel you to sign any specific contract.

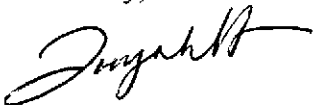
Please remember that it is still necessary to submit the actual costs of the work as explained in the *Reimbursement Request Instructions* to confirm that the costs are consistent with this pre-approval before you will be reimbursed. **To make this easier, insure that your consultant prepares his invoices to match the format of the original estimate, and provides reasonable explanations for any changes made in the scope of work or increases in the costs.** When the invoices are submitted you must include copies of all:

- subcontractor invoices,
- technical reports, when available, and
- applicable correspondence from the County.

Fund regulations require that you obtain at least three bids, or a bid waiver from Fund staff, from qualified firms for all necessary corrective action work. If you need assistance in contracting for corrective action services, please don't hesitate to call me.

Please call if you have any questions; I can be reached at (916) 227-7887.

Sincerely,



Quynh Hoa, Water Resources Control Engineer  
Technical Review Unit  
Underground Storage Tank Cleanup Fund

Enclosure: *Cost Pre-Approval Request form*

cc:

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





October 20, 1997

Larry Seto  
Alameda County Department  
of Environmental Health  
1131 Harbor Bay Parkway, 2nd Floor  
Alameda, California 94502

RE: Former Arco Service Station  
706 Harrison St.  
Oakland, California 94607

STID# 3749

LS / (backroom)

Dear Mr. Seto:

In response to an October 2, 1997 letter from Thomas Peacock, Cambria Environmental, Inc. (Cambria) is providing an update on the status of the Bo Gin site at 706 Harrison St. in Oakland, California.

Currently, Cambria is installing a soil vapor extraction system (SVE) as part of the implementation of our August 29, 1995 Corrective Action Plan (CAP). The SVE system installation costs have been pre-approved by the State Clean-Up Fund. The system installation is scheduled for completion by November 1, 1997.

As you stated in your letter, we agree that the MTBE in monitoring well MW-4 does not appear to originate from the Bo Gin site and likely originates from the adjacent up gradient property.

Following the completion of the SVE installation, Cambria will prepare a report discussing the system installation and startup and will send the report to Bo Gin who will forward the report to you.

If you have any questions, please contact me at (510) 420-3316.

CAMBRIA

ENVIRONMENTAL

TECHNOLOGY, INC.

1144 65TH STREET,

SUITE B

OAKLAND,

CA 94608

PH: (510) 420-0700

FAX: (510) 420-9170

Sincerely,  
Cambria Environmental Technology, Inc.

Owen Ratchye, P.E.

Project Engineer

cc: Bo Gin, 706 Harrison St., Oakland California 94706

F:\PROJECTS\B-2004\OAKL-188\bogin.WPD

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



11-5-97  
Tom: I do not  
have this file  
in my office.  
Carn

October 2, 1997  
STID 3749

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

Bo Gin  
288 - 11<sup>th</sup> St.  
Oakland, CA 94607

re: former Arco, 706 Harrison St., Oakland, CA 94607

Dear Bo Gin:

This office has received and reviewed two Pre-Approvals from the Clean-Up Fund dated August 20 and September 15, 1997 and a Report of Groundwater Monitoring dated August 20, 1997 by Cambria Environmental Technology, Inc. for the above site. The following comments concern this report:

Mr. Bo Gin should be endorsing the report and submitting it himself.

1. As authorized by the Clean-Up Fund the remediation system should be installed and operated as soon as possible. There are still very high levels of contamination at this site.
2. There is a much higher level of MTBE in MW-4 than in either MW-2 or MW-1, which are both downgradient and which both have a much higher level of benzene. It appears that there may be an upgradient source for the MTBE, at least around that well. This office will check on data that we may already have on those sites.

Please contact Larry Seto, who will be taking over the site, if you have any questions regarding this letter at 567-6700.

Sincerely,

Thomas Peacock, Manager

c: David Alias, Cambria, 1144 - 65<sup>th</sup> St., Suite B, Oakland, CA  
94608  
Gordon Coleman - Files



**Cal/EPA**

**State Water  
Resources  
Control Board**

Division of  
Clean Water  
Programs

Mailing Address:  
P.O. Box 944212  
Sacramento, CA  
94244-2120

2014 T Street,  
Suite 130  
Sacramento, CA  
95814  
(916) 227-0746  
FAX (916) 227-4530

World Wide Web  
<http://www.swrcb.ca.gov/~cwphome/fundhome.htm>

September 15, 1997

Mr. Bo Gin  
288 11th St.  
Oakland, CA 94607



Pete Wilson  
Governor

**PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 1254,  
SITE ADDRESS: 706 HARRISON ST, OAKLAND, CA 94606**

I have reviewed your request, received on August 8, 1997, and additional clarification, received on September 9, 1997, for pre-approval of corrective action costs; I will place these documents in your file for future reference. This pre-approval revises the pre-approval, dated July 24, 1997. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective actions costs.

With the following provisions, the total cost pre-approved as eligible for reimbursement for completing the August 29, 1995, Cambria Environmental Technologies, Inc. workplan approved by the Alameda County EHD (County) in their October 12, 1995 letter, is **\$80,562**; see the table below for a breakdown of costs. (The total amount approved for reimbursement through Request No. 4 for work at your site that has been directed and approved by the County is **\$84,579**.)

*Be aware that this pre-approval does not constitute a decision on reimbursement: all reasonable and necessary corrective action costs for work directed and approved by the County will be eligible for reimbursement per the terms of your Letter of Commitment at costs consistent with those pre-approved in this letter.*

***All future costs for corrective action must be approved in writing by Fund staff.  
Future costs for corrective action must meet the requirements of  
Article 11, Chapter 16, Underground Storage Tank Regulations.***

- The actual costs and scope of work performed must be consistent with the pre-approval for it to remain valid.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.
- If a different scope of work becomes necessary, then you must request pre-approval of costs for the new scope of work.
- Although I have referred to the Cambria proposal in my pre-approval above, please be aware that you will be entering into a private contract: the State of California cannot compel you to sign any specific contract. This letter pre-approves the costs as presented in the proposal dated May 29, 1997 by Cambria, for conducting the work approved by the County for implementing the August 29, 1995, Cambria Environmental Technologies, Inc. workplan.



Recycled Paper

*Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.*

## COST PRE-APPROVAL BREAKDOWN

Task	Amount Pre-Approved	Comments
Permitting	\$1,270	
System Installation	\$28,000	The Fund recommends that the contractor and consultant be contracted separately, to avoid potential reimbursement problems. All costs must be presented according to Fund invoicing guidelines.
Electrical Service Installation	\$11,651	
System Startup & Testing	\$1,620	
Equipment Rental & Installation Oversight	\$21,186	Costs are for six (6) months only.
Propane & Electrical Usage		Previously pre-approved. See USTCF's July 24, 1997 pre-approval of costs. Costs should be billed directly to claimant.
O & M and Analytics	\$8,040	
Quarterly Monitoring & Reporting	\$8,360	Six (6) wells. Includes costs for two remediation reports and three groundwater reports.
Bolt Replacement (MW-6)	\$435	
<b>TOTAL PRE-APPROVED</b>	<b>\$80,562</b>	

Please remember that it is still necessary to submit the actual costs of the work as explained in the Reimbursement Request Instructions to confirm that the costs are consistent with this pre-approval before you will be reimbursed. *To make this easier, insure that your consultant prepares his invoices to match the format of the original estimate, and provides reasonable explanations for any changes made in the scope of work or increases in the costs. When the invoices are submitted you must include copies of all:*

- subcontractor invoices,
- technical reports, when available, and
- applicable correspondence from the County.

Please call if you have any questions; I can be reached at (916) 227-0746.

Sincerely,

**ORIGINAL SIGNED BY**

Steve Marquez, PE  
 Technical Review Unit  
 Underground Storage Tank Cleanup Fund



Mr. Bo Gin

-3-

Enclosure

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

97 SEP 18 PM 2:56  
ENVIRONMENTAL PROTECTION

Mr. Owen Ratchye  
Cambria  
1144 65th Street, Suite B  
Oakland, CA 94608



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*Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.*



Ca/EPA

July 24, 1997

# 3749  
KT



Pete Wilson  
Governor

State Water  
Resources  
Control Board

Mr. Bo Gin  
288 11th St  
Oakland, CA 94607

Division of  
Clean Water  
Programs

**PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 1254,  
SITE ADDRESS: 706 HARRISON ST, OAKLAND, CA 94606**

Mailing Address:  
P.O. Box 944212  
Sacramento, CA  
94244-2120

I have reviewed your request, received on June 16, 1997, for pre-approval of corrective action costs; I will place these documents in your file for future reference. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective actions costs.

2014 T Street,  
Suite 130  
Sacramento, CA  
95814  
(916) 227-0746  
FAX (916) 227-4530

With the following provisions, the total cost pre-approved as eligible for reimbursement for completing the August 29, 1995, Cambria Environmental Technologies, Inc. workplan approved by the Alameda County EHD (County) in their October 12, 1995 letter, is \$39,295; see the table below for a breakdown of costs. The costs pre-approved are for Option 3 Thermal Catalytic Rental (6 months). Option 1 is no longer available. (The total amount approved for reimbursement through Request No. 4 for work at your site that has been directed and approved by the County is \$84,579.)

World Wide Web  
<http://www.swrcb.ca.gov/~cwphome/fundhome.htm>

*Be aware that this pre-approval does not constitute a decision on reimbursement: all reasonable and necessary corrective action costs for work directed and approved by the County will be eligible for reimbursement per the terms of your Letter of Commitment at costs consistent with those pre-approved in this letter.*

*All future costs for corrective action must be approved in writing by Fund staff.  
Future costs for corrective action must meet the requirements of  
Article 11, Chapter 16, Underground Storage Tank Regulations.*

**COST PRE-APPROVAL BREAKDOWN**

Task	Amount Pre-Approved	Comments
Equipment Rental	\$15,000	\$2,500/month rental pre-approved. If unable to use the existing single-phase electrical, please contact Fund for pre-approval.
Propane Usage	\$8,000	
Electrical Usage	\$3,000	Costs should be billed directly to claimant. No markup will be reimbursed.
On-site Trenching	\$1,375	
Electrical Panel	\$4,000	
O & M and Analytics	\$7,920	
<b>TOTAL PRE-APPROVED</b>	<b>\$39,295</b>	



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*Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.*

Mr. Bo Gin

-2-

- The actual costs and scope of work performed must be consistent with the pre-approval for it to remain valid.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.
- If a different scope of work becomes necessary, then you must request pre-approval of costs for the new scope of work.
- Although I have referred to the Cambria proposal in my pre-approval above, please be aware that you will be entering into a private contract: the State of California cannot compel you to sign any specific contract. This letter pre-approves the costs as presented in the proposal dated May 29, 1997 by Cambria for conducting the work approved by the County for implementing the August 29, 1995, Cambria Environmental Technologies, Inc. workplan.

Please remember that it is still necessary to submit the actual costs of the work as explained in the Reimbursement Request Instructions to confirm that the costs are consistent with this pre-approval before you will be reimbursed. *To make this easier, insure that your consultant prepares his invoices to match the format of the original estimate, and provides reasonable explanations for any changes made in the scope of work or increases in the costs. When the invoices are submitted you must include copies of all:*

- subcontractor invoices,
- technical reports, when available, and
- applicable correspondence from the County.

Please call if you have any questions; I can be reached at (916) 227-0746.

Sincerely,

ORIGINAL SIGNED BY

Steve Marquez, Water Resources Control Engineer  
Technical Review Unit  
Underground Storage Tank Cleanup Fund

Enclosure

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

Mr. John Espinoza  
Cambria  
1144 65th Street, Suite B  
Oakland, CA 94608

97 JUL 28 PM 4: 13  
ENVIRONMENTAL  
ACTION



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.



**Cal/EPA**

**State Water  
Resources  
Control Board**

**Division of  
Clean Water  
Programs**

Mailing Address:  
P.O. Box 944212  
Sacramento, CA  
94244-2120

2014 T Street,  
Suite 130  
Sacramento, CA  
95814  
(916) 227-2698  
FAX (916) 227-4530



Pete Wilson  
Governor

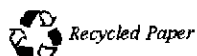
**FAX TRANSMITTAL**

DATE: May 1, 1997  
TO: Thomas Peacock  
Alameda County Environmental Health Department  
FAX #: (510) 337-9335  
FROM: Arron Rambach, P. E. Civil  
Associate Water Resources Control Engineer

**UST CLEANUP FUND PROGRAM  
FAX #: (916) 227-4530  
PHONE #: (916) 227-2698**

NUMBER OF PAGES (including this page): 4

- For your information
- Per your request
- For your review and comment
- \_\_\_\_\_



*Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.*





**Ca/EPA**

**State Water  
Resources  
Control Board**

**Division of  
Clean Water  
Programs**

Mailing Address:  
P.O. Box 944212  
Sacramento, CA  
94244-2120

2014 T Street,  
Suite 130  
Sacramento, CA  
95814  
(916) 227-2698  
FAX (916) 227-4530

World Wide Web:  
<http://www.swrcb.ca.gov/~cwphome/fundhome.htm>

STW 3749



Pete Wilson  
Governor

STW #3749  
LS

May 1, 1997

Mr. Bo Gin  
288 11th Street  
Oakland, CA 94607

Dear Mr. Gin:

**PRE-APPROVAL OF CORRECTIVE ACTION COSTS, Claim No. 1254  
706 Harrison Street, Oakland, CA 94607**

I have reviewed the information sent to me by your consultant (Cambria Environmental Technology, Inc.) for pre-approval of costs for additional corrective action work at your site. Cambria has sent me cost information regarding installation and start-up of a soil vapor extraction/air sparging system. All associated documents, along with this letter, will be placed in your claim file for future reference.

I have discussed in detail your site with Mr. John Espinoza of Cambria. The installation and start-up of the remediation system has been delayed due to difficulty in obtaining sufficient electrical power from Pacific Gas and Electric. Mr. Espinoza has indicated that your site is currently not equipped to power the remediation equipment and it is unclear what is required in order to obtain sufficient electrical power.

Due to the above complications, I am unable to pre-approve costs for installation and start-up of the soil vapor extraction/air sparging system. Pre-approval of costs for the installation and start-up is still required as soon as the complications are resolved. However, I can pre-approve costs for the continued quarterly groundwater monitoring. Keep in mind that continued delay of the installation of the remediation system may lead to non-compliance with Alameda County's August 20, 1996 letter which approved of the proposal for the remediation system.

Based on the information provided and the USTCF's Cost Guidelines, costs have been pre-approved for \$2,020 per quarterly groundwater monitoring event. (Prior to this point, the total amount eligible for reimbursement through request No. 3 is \$77,502.31). With the following provisions costs in the table on page 2 have been pre-approved for reimbursement:

- The work is acceptable and approved by the Alameda County Environmental Health Department and the San Francisco Regional Water Quality Control Board.
- The actual scope of work performed and costs are consistent with this pre-approval.
- It is my opinion that it is unnecessary to obtain three bids for this scope of work only; the USTCF's three bid requirement is waived for this scope of work only.



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*Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.*

Mr. Bo Gin

-2-

- If a different scope of work or change order becomes necessary, then the claimant must request pre-approval of costs for the new scope of work. Please complete the enclosed blank form when submitting future pre-approvals. The pre-approval form must be signed by the claimant.
- All future costs for corrective action must be pre-approved in writing by USTCF staff.
- Although I have referred to Cambria, please be aware that you will be entering into a private contract. In other words, the State of California cannot compel you to sign any specific contract. This letter pre-approves some of the costs as presented by Cambria for quarterly groundwater monitoring as approved by Alameda County and estimated in the 8/30/96 bid.

TASKS FROM CAMBRIA'S 8/30/96 BID	PRE-APPROVED AMOUNT	COMMENTS
Soil vapor extraction/air sparging system installation and start-up	\$0	Electrical power hookup complications must be resolved.
Quarterly groundwater monitoring	\$2,020 per quarter	Includes field work and report preparation for 7 wells. Includes lab work for TPHg/BTEX/MTBE

Total: \$2,020 per quarter

Be aware that this pre-approval does not constitute a decision on reimbursement. All reasonable and necessary corrective action costs for work directed and approved by the County will be eligible for reimbursement. Also, remember that it is still necessary to submit the actual costs of the work as explained in the Reimbursement Request Instructions in order to confirm that the costs are consistent with this pre-approval before you will be reimbursed. *To make this easier, be sure that your consultant and subcontractors prepare invoices to match the format of the original bid and provides reasonable explanations for any changes made in the scope of work or increases in costs. When the invoices are submitted you must include copies of all:*

- *subcontractor invoices*
- *technical reports, and*
- *applicable correspondence from the Alameda County.*

I also want to remind you that the USTCF's regulations require that you obtain at least three bids, or a bid waiver from USTCF staff, from qualified firms for all necessary corrective action work. Legislation governing the USTCF requires that we assist you in procuring contractors and consultants. If you need any assistance in contracting for corrective action work, don't hesitate to call me.

Lastly, I wish to inform you that Senate Bill 562 went into effect on January 1, 1997. One of the provisions of SB 562 states that: any "owner or operator that has a tank case who believes



Mr. Bo Gin

-3-

that the owner's or operator's corrective action plan for the site has been satisfactorily implemented, but where closure has not been granted, may petition the fund manager for a review of the case."

Please call if you have any questions. I can be reached at (916) 227-2698.

Sincerely,

Arron Rambach, P.E. Civil  
Associate Water Resources Control Engineer  
Underground Storage Tank Cleanup Fund

Enclosure (pre-approval form for subsequent requests)

cc Thomas Peacock, Alameda County Environmental (w/o encl.) by fax (510) 337-9335

John Espinoza  
Cambria Environmental Technology, Inc.  
1144 65th Street, Suite C  
Oakland, CA 94608





STID 3749

August 20, 1996

Bo Gin  
288 11th Street  
Oakland, CA 94607

DEPARTMENT OF ENVIRONMENTAL HEALTH  
80 Swan Way, Rm. 210  
Oakland, CA 94621  
(510) 271-4300

RE: FORMER ARCO, 706 HARRISON STREET, OAKLAND

Dear Mr. Gin,

This office is in receipt of and has completed review of the case file for this site, up to and including the August 14, 1996 Cambria Environmental Technology, Inc., (CET) "Third Quarter 1996 Monitoring Report".

Groundwater samples collected on 7/19/96 revealed benzene in monitoring wells MW-1 and MW-2 at concentrations of 5.2 mg/L and 7.3 mg/L, respectively. These groundwater concentrations, when compared to CA-modified ASTM Tier 1 Risk-Based Screening Levels (RBSLs), are exceeded for the following exposure scenarios:

- 1 "Groundwater-Vapor Intrusion from Groundwater to Buildings" at a target level of 1E-04 (RBSL is 2.14 mg/L, 1 in 10,000 excess cancer risk - commercial/industrial receptor).
- 2 "Groundwater-Volatilization to Outdoor Air" at a target level of 1E-06\* (RBSL is 5.34 mg/L, 1 in 1,000,000 excess cancer risk - commercial/industrial receptor).  
\* exceeded for MW-2 only

In addition, benzene soil concentrations detected in confirmation samples during the February 1993 overexcavations (66 mg/kg) and the July 1993 monitoring well and soil vapor extraction well installations (210 mg/kg) revealed Tier 1 RBSL exceedances for the following exposure scenarios:

- 1 "Soil-Vapor Intrusion from Soil to Buildings" at a target level of 1E-04 (RBSL is 0.49 mg/L, 1 in 10,000 excess cancer risk - commercial/industrial receptor).
- 2 "Soil-Volatilization to Outdoor Air" at a target level of 1E-04 (RBSL is 13.25 mg/L, 1 in 10,000 excess cancer risk - commercial/industrial receptor).

A detailed ASTM Tier 2 analysis of this site appears not to be warranted for this site. The site has already been adequately characterized and additional information gathered would provide little useful information. Petroleum hydrocarbon-impacted soils remain at the soil/groundwater interface, at concentrations greatly exceeding Tier 1 RBSLs, at 1E-04 target levels.

Bo Gin  
RE: 706 Harrison Street, Oakland  
August 20, 1996  
Page 2 of 2

Please submit a minimum of three bids for the installation and maintenance of the proposed SVE/AS system for pre-approval to Steve Marquez of the State Water Resources Control Board. As requested by Mr. Marquez, it is recommended that you alter the "Bid Form" to include time and materials format per UST Fund policies and eliminate the "Lump Sum" and "Unit Cost" format.

Please feel free to call me directly at (510)567-6880, should you have any questions concerning this matter.

Sincerely,



Dale Klettke, CHMM  
Hazardous Materials Specialist

c: David Elias, Cambria, 1144 65th Street, Suite C, Oakland, CA 94608  
Gil Jensen, Alameda County District Attorney's Office  
Steve Marquez, SWRCB UST Cleanup Fund

3749sve.as



Cal/EPA

State Water Resources Control Board

Division of Clean Water Programs

Mailing Address: P.O. Box 944212 Sacramento, CA 94244-2120

2014 T Street, Suite 130 Sacramento, CA 95814 (916) 227-0746 FAX (916) 227-4530

July 12, 1996

Bo Gin 288 11th Street Oakland, CA 94607

STD 3749



Pete Wilson Governor

Re: Claim 1254 Pre-Approval No. 3 for Quarterly Monitoring

Dear Mr. Gin:

Per your documentation requesting pre-approval of quarterly monitoring for the site located at 706 Harrison Street in Oakland, I have pre-approved the initial quarterly monitoring costs for \$2,501.00. The quarterly monitoring consists of sampling and reporting of seven (7) existing on and off-site wells analyzed for TPHg/ BTEX. Subsequent quarterly sampling and reporting have also been pre-approved for \$2,021.00.

Also, in regards to your proposed Soil Vapor Extraction/Air Sparging (SVE/AS) system, conversation with Alameda County Department of Environmental Health (ACDEH) staff on July 9, 1996 indicated that the SVE/AS is on hold pending additional groundwater monitoring data. If the SVE/AS is determined to be implemented, then I recommend that you alter the "Bid Form" to include time and materials format per Fund policies and eliminate the "Lump Sum" and "Unit Cost" format.

With the following provisions, I have pre-approved Cambria Environmental Technology, Inc. (Cambria) quarterly monitoring for \$2,501.00:

- The actual scope of work and costs are consistent with Cambria's July 9, 1996 cost estimate.
- The corrective action work is approved and acceptable to the ACDEH and the Regional Water Quality Control Board (RWQCB).
- All subcontractor invoices, copies of the quarterly monitoring reports, and applicable correspondences from the ACDEH and RWQCB are submitted to the Fund.
- Costs are presented as required in the Fund's Recommended Minimum Invoice Cost Breakdown
- The markups are consistent with the Fund's subcontractor markup policy, dated June 1, 1994.

If you have any questions, please contact me at the above number.

Sincerely,

Steve Marquez State Water Resources Control Engineer

cc: David Elias, Cambria Environmental Technology Inc., 1144 65th Street, Suite C, Oakland, CA 94608

Dale Klettke, Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway, #250, Alameda, CA 94502-6577

ENVIRONMENTAL PROTECTION

96 JUL 15 PM 3:41

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Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

STID 3749

July 8, 1996

Bo Gin  
288 11th Street  
Oakland, CA 94607

DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6777

RE: FORMER ARCO, 706 HARRISON STREET, OAKLAND

Dear Mr. Gin,

This letter is in response to the submittal of groundwater monitoring reports to this office. After cursory review of the file, it appears that the last quarterly groundwater sampling and reporting for wells MW-1 through MW-3 was September 1994. The newly installed wells (MW-4 through MW-7) were initially sampled in December 1994. No additional groundwater sampling reports for the seven wells have been forwarded to this office.

At this time please adhere to a **quarterly** schedule of well sampling, monitoring, and report submittal as referenced in Title 23, California Code of Regulations (CCR) section 2652(d). Sample analytes shall continue to be total petroleum hydrocarbons as gasoline (TPHg), MTBE and the aromatic hydrocarbons benzene, toluene, ethyl benzene and total xylene isomers (BTEX). **Please have the seven wells sampled during the month of July 1996.**

Please be advised that I have been in contact with Steve Marquez of the UST Fund. In order to be eligible for the UST Fund, you need to be in compliance with the groundwater monitoring requirements. **Therefore, you need to submit a quarterly groundwater monitoring report to this office within 45 days, or no later than August 23, 1996.**

Please feel free to call me directly at (510)567-6880, should you have any questions concerning this matter.

Sincerely,

Dale Klettke, CHMM  
Hazardous Materials Specialist

c: David Elias, Cambria, 1144 65th Street, Suite C, Oakland, CA 94608  
Gil Jensen, Alameda County District Attorney's Office  
Steve Marquez, SWRCB UST Cleanup Fund

3749gw.sch

**ALAMEDA COUNTY ENVIRONMENTAL  
HEALTH SERVICES**

**ENVIRONMENTAL PROTECTION DIVISION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
Telephone (510) 567-6700 Fax (510) 337-9335**

**FAX COVER SHEET**

DATE: 6/20, 19 96

TO: BO GIN

FAX # (510) 763-2497

Total number of pages including cover sheet \_\_\_\_\_

FROM: DALE KLETTE

NOTE:

**PLEASE RESPOND BY FAX ONLY.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**(SMILE) HAVE A NICE DAY  
DO SOMETHING FOR OUR ENVIRONMENT**



# TO BO GIN, THIS IS JENNIFER'S LIST

Below is a list of consultants which I have worked with within the past few years for the investigation and remediation of underground tank sites. **This is not an endorsement nor is it by any means a complete list of consultants.** This list was compiled in an attempt to aid those who have no other sources of information. You are encouraged to look in the phone book under "Environmental & Ecological Services," "Tanks Abandoned-Filled & Removed," etc. to obtain a more extensive list. Another source is the recommendation of those who have had similar work performed for them and were satisfied with their performance.

1. ACC Environmental, Alameda 510-522-8188
2. Accutite Environmental Eng, South SF 415-952-5551
3. All Chemical Disposal, San Jose 408-453-1660
4. All Environmental, Inc., San Ramon 510-820-3224
5. Applied GeoScience, San Jose 408-452-0262
6. Aqua Science Eng., San Ramon 510-820-9391
7. Bay Area Tank and Marine, Martinez 800-464-2286
8. Blymyer Engineers, Alameda 510-521-3773
9. Cambria Env. Technology, Oakland 510-420-0700
10. Certified Env. Consulting, Benicia 800-228-0171
11. W.A. Craig Inc., Albany 510-525-2780
12. Decon Environmental, Hayward 510-732-6444
13. Dugan Associates, Santa Clara 408-988-5946
14. GeoResource Consultants, SF 415-775-3177
15. Geo Strategies Inc., Hayward 510-352-4800
16. Geraghty and Miller, Richmond 510-233-3200
17. Groundwater Technology Inc., Concord 510-671-2387
18. Hageman-Aguiar, Inc., Lafayette 510-284-1661
19. Harding Lawson Assoc., Novato 415-543-8422
20. IT Corp., Martinez 510-372-9100
21. Kaprealian Engineering, Concord 510-602-5100
22. Levine and Fricke, Emeryville 510-652-4500
23. Miller Engineering, Alamo 510-831-3255
24. RESNA, San Jose 408-264-7723
25. Semco, San Mateo 415-572-8033
26. Sierra Environmental, Martinez 510-370-1280
27. Subsurface Consultants, Inc., Oakland 510-268-0461
28. Tank Protect Engineering, Union City 510-429-8088
29. Uribe and Associates, Oakland 510-832-2233
30. Weiss Associates, Emeryville 510-547-5420

FAX 763-2497

**STATE WATER RESOURCES CONTROL BOARD****DIVISION OF CLEAN WATER PROGRAMS**

2014 T STREET, SUITE 130

P.O. BOX 944212

SACRAMENTO, CALIFORNIA 94244-2120

(916) 227-0746

(916) 227-4530 (FAX)



March 14, 1996

Bo Gin  
288 11th Street  
Oakland, CA 94607

Re: Claim 1254 pre-approval of air sparge testing and system design

Dear Mr. Gin:

I received your consultant's, Cambria Environmental Technology, Inc. (Cambria), request for the pre-approval of the corrective action plan (CAP) implementation for the site located at 706 Harrison Street in Oakland. Due to the recent changes in the UST program <sup>due</sup> from to the Lawrence Livermore National Laboratory Report on Recommendations to Improve the Cleanup Process for California's Leaking Underground Fuel Tanks and USTCF requirements, the bidding process on the consultant and contractor work for the CAP implementation is required. However, in order to have a complete bidding document, I have pre-approved the air sparge testing and the system design costs. After multiple comparable and competitive bids are obtained, I recommend that you obtain pre-approval and three-bid review for the CAP implementation costs.

The total costs pre-approved for reimbursement for the air sparge testing and system design is **\$3,550.00**; see table below for a breakdown of the costs. (The total amount previously eligible through reimbursement request no. 3 for your site is **\$77,502.**)

With the following provisions, I have pre-approved Cambria's air sparge testing and system design costs:

- The actual scope of work and costs are consistent with Cambria's cost estimate, dated February 21, 1996.
- The corrective action work is approved and acceptable to the Alameda County Department of Environmental Health (ACDEH) and the Regional Water Quality Control Board (RWQCB).
- All subcontractor invoices, copies of reports (CAP and system design), and applicable correspondences from the ACDEH and RWQCB are submitted to the Fund.
- Costs are presented as required in the Fund's Recommended Minimum Invoice Cost Breakdown.

The markups are consistent with the Fund's subcontractor markup policy, dated June 1, 1994;  
If you have any questions, please contact me at (916) 227-0746.

Sincerely,

Steve Marquez  
Technical Review Unit

cc: David Elias, Cambria, 1144 65th Street, Suite C, Oakland, CA 94608  
Jennifer Eberle, Alameda County Department of Environmental Health, 1131 Harbor Bay  
Parkway, #250, Alameda, CA 94502-6577

February 21, 1996

Steve Marquez  
RWQCB UST Cleanup Fund  
2014 T Street  
Sacramento, CA 94244-2120

Re: Former Arco Service Station  
706 Harrison Street  
Oakland, California  
Claim # 001254

Dear Mr. Marquez:

As requested by property owner Mr. Bo Gin, Cambria Environmental Technology, Inc. (Cambria) is seeking pre-approval of our cost estimate to implement the regulatory-approved August 1995 Corrective Action Plan (CAP) for the site referenced above. As you discussed with Joseph Theisen of Cambria, it is our understanding that bidding out the professional services for implementing the CAP is not required as long as Cambria's budgets are acceptable to the Cleanup Fund, and as long as we bid out the system installation and equipment procurement tasks to at least three bidders. Mr. Bo Gin stated that he strongly prefers using Cambria to implement the CAP for the following reasons:

- 1) Mr. Gin has been very dissatisfied with the previous consultants he used under the Fund's three-bid requirement, while he is very satisfied with Cambria's performance;
- 2) Cambria is very familiar with the site, having installed the remediation wells during the recent additional site investigation and having prepared the approved corrective action plan for the site;
- 3) The lengthy air permitting process can be minimized by having Cambria submit an air permit application soon, thereby expediting implementation of the CAP and ensuring its success during the drier summer and autumn months; and
- 4) Located only four miles from the site, Cambria can cost-efficiently coordinate site activities and optimize the remediation system.

Lastly, Mr. Gin is pleased with our previous submittals to the Cleanup Fund for his reimbursement.

We are respectfully requesting pre-approval at this time since bidding out the system installation and equipment procurement tasks requires preparing the final system design. Upon receiving your pre-approval, we will prepare the final system design, commence the air permitting process, and secure three bids for system installation and equipment procurement. If you require, we will submit these bids to you for your final approval before commencing system installation and equipment procurement. Cambria's proposed tasks and

Mr. Steve Marquez  
February 22, 1996

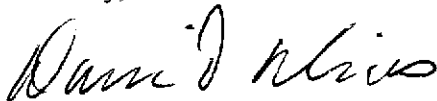
CAMBRIA

estimated costs for professional services are presented in Attachment A. We will supply the Fund with all required documentation of time and materials for each task upon task completion.

To further ensure full reimbursement to Mr. Gin by the Fund, we would like to alert the Fund that the CAP approved by Alameda County Department of Environmental Health (ACDEH) includes source area remediation by soil vapor extraction (SVE) as well as ground water remediation by air sparging. Although we understand that the RWQCB no longer requires ground water remediation for low-risk sites, ACDEH case worker Dale Klettke contacted Cambria on October 12, 1995 to request rapid implementation of both SVE and air sparging as specified in the CAP. We included a copy of Mr. Klettke's letter for your files as Attachment B. Since we installed air sparge wells in the site borings during the recent investigation (which minimized well installation costs), and since the air sparging will occur simultaneously with the vapor extraction, implementing air sparging will only slightly increase the overall remediation costs. In addition, given the high soil permeability at this site, air sparging should remediate site ground water quickly and should significantly improve the soil remediation by providing air flow in the deeper vadose zone.

If you have any questions or if you would like additional information, please contact me at (510) 420-9176 or Mr. Bob Clark-Riddell at (510) 420-9173.

Sincerely,



David Elias  
Project Geologist

Attachments: A - Professional Services Cost Summary  
B - ACDEH Correspondence

cc: Mr. Bo Gin, Oakland Auto Parts, 288 11th Street, Oakland, CA 94607  
Jennifer Eberle, ACDEH, 1131 Harbor Bay Parkway, #250, Alameda CA, 94502-6577

## ATTACHMENT A

<b>Professional Services Cost Summary</b>			
<i>Task</i>	<i>Cambria Costs</i>	<i>Outside Costs</i>	<i>Total</i>
1. Air Sparge Testing <sup>1</sup>	750	200	950
2. System Design	2,600	0	2,600
3. Air Permitting	1,200	550	1,750
4. Equipment Procurement	500	To Bid	Pending Bid
5. System Installation	2,800	To Bid	Pending Bid
6. System Startup	1,850	To Bid	Pending Bid
7. Operation and Maintenance (Each Month) <sup>2</sup>	950	200	1,150
8 a). Remediation Reporting (First Quarter)	1,400	0	1,400
8 b). Remediation Reporting (Subsequent Quarters)	900	0	900
9. System Demobilization	1,800	To Bid	Pending Bid
<b>TOTALS</b>	<b>\$ 14,750</b>	<b>Pending Bids</b>	<b>Pending Bids</b>

## Notes:

1. The air sparge testing will determine performance requirements for procuring the air sparging equipment, and will confirm that the wells are suitable for air sparging.
2. We estimate that about three to six months of system operation will remediate the site to acceptable levels. The outside O&M costs shown above include four lab analyses for TPHg/BTEX, but do not include electricity and/or propane costs.

CAMBRIA

**ATTACHMENT - B**  
ACDEH CORRESPONDENCE

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

STID 3749

October 12, 1995

Bo Gin  
288 11th Street  
Oakland, CA 94607

Alameda County CC4580  
Environmental Protection Division  
1131 Harbor Bay Pkwy., #250  
Alameda CA 94502-6577  
(510) 567-6700

RE: FORMER ARCO, 706 HARRISON STREET, OAKLAND

Dear Mr. Gin,

This office is in receipt of and has completed review of the case file for this site, up to and including the August 29, 1995 Cambria Environmental Technology, Inc., (CET) "Corrective Action Plan". As you probably already know, this plan details the installation and maintenance of a combined SVE and air sparging system. CET states that this system should prove to be the most cost-effective and fastest remedial technology. Furthermore, CET anticipates that three to six months of system operation may remediate the site to acceptable levels.

The Corrective Action Plan (CAP) is to be implemented according to the following sequence of tasks:

- |         |   |
|---------|---|
| Task 1. | Air Sparge Well Testing                       |
| Task 2. | System Permitting                             |
| Task 3. | System Installation                           |
| Task 4. | Treatment Equipment, Operation and Reporting. |

Reporting requirements should include some form of documentation detailing estimated quantities of product removed, and amount of product removed to date, for the combined SVE/Air Sparging system.

Groundwater monitoring will be required to evaluate the performance of the SVE/Air Sparging system. Groundwater sampling should take place one (1) month and three (3) months after installation of the SVE/Air Sparging system. Once the corrective action plan has ended, a less frequent monitoring schedule will be evaluated by this office.

**This Corrective Action Plan (CAP) is approved by this office. Work should commence no later than 30 days following receipt of this approval or November 12, 1995.**

Please inform this office 72 hours in advance of operations involving the initial testing and startup of the SVE/Air Sparging system.



Mr. Bo Gin  
RE: 706 Harrison Street, Oakland  
Page 2 of 2

I am temporary covering for Jennifer Eberle in her absence. Please feel free to call me directly at (510)567-6880, should you have any questions concerning this matter.

Sincerely,



Dale Klettke, CHMM  
Hazardous Materials Specialist

c: David Elias, Cambria, 1144 65th Street, Suite C, Oakland, CA 94608  
Gil Jensen, Alameda County District Attorney's Office  
Cheryl Gordon, SWRCB UST Cleanup Fund  
Remediation Testing and Design, 609 Pacific Avenue., Suite 201, Santa Cruz, CA 95060  
Jennifer Eberle--files

3749cap1.jet

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

April 27, 1995  
STID 3749

Bo Gin  
288-11th ST.  
Oakland CA 94607

RE: former ARCO, 706 Harrison St., Oakland CA 94607

Dear Mr. Gin,

Thank you for the "Subsurface Investigation Report," prepared by Cambria, dated 3/10/95. As you know, this report documents the installation of nine soil borings as follows: two additional soil borings, three additional soil vapor extraction/air sparging wells, and four additional groundwater monitoring wells.

Hand bailing of free product from VW2 continues on a twice-per-week basis. This was confirmed during a site visit on 4/26/95. The Soakease system is still being used in VW2. 1.25" of free product was observed in the first bailer pulled from VW2 on 4/26/95. **The drum which the free product/water mixture is being stored must be properly labelled and covered.**

The three new soil vapor extraction/air sparging wells are VW3, VW4, and VW5. During drilling of these wells, elevated concentrations of HCs were detected: up to 14,000 ppm TPHg and up to 120 ppm benzene in VW3 at 18'bgs, and 15,000 ppm TPHg and 160 ppm benzene in VW4 at 17.5'bgs. For comparison, the soil results for the first two vapor wells, VW1 and VW2, sampled at 17'bgs, and installed by Dennis Bates Associates (DBA) in July 1993, are as follows: 360 ppm TPHg and 18 ppm benzene for VW1, and 6,000 ppm TPHg and 210 ppm benzene for VW2 (see the 9/20/93 DBA report).

It appears that the gasoline contamination in soil has not extended downgradient and offsite. This is evidenced by the ND soil concentrations in VW5, and offsite wells MW5, MW6, and MW7. The gasoline contamination in soil appears to be confined to the former clustered UST area along Harrison St.

Vacuum extraction appears to be an effective remediation technique for this site, to remove HCs both from soil and groundwater, as per the "Report of Vacuum Extraction Feasibility Testing," prepared by Remediation Testing and Design, dated 5/27/94. However, the 3 new soil vapor extraction/air sparging wells are not yet plumbed together laterally.

Therefore, you are requested to submit a workplan for remediation system design and a startup schedule within 30 days, or by May 27, 1995.

April 27, 1995  
STID 3749  
Bo Gin  
page 2 of 2

If you have any question, please contact me directly at 510-567-6761.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: David Elias, Cambria, 1144-65th St., Suite C, Oakland CA  
94608  
Gil Jensen, Alameda County District Attorney's Office  
Cheryl Gordon, SWRCB UST CleanUP Fund  
Remediation Testing and Design, 609 Pacific Ave., Suite  
201, Santa Cruz CA 95060  
Bill Reynolds, Acting Chief/file

je.3749-F

white -env.health  
yellow -facility  
pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy  
Alameda CA 94502  
510/567-6700

## Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name Bo Gin Today's Date 4/26/95  
Site Address 706 Harrison St -  
City Oakland Zip 94607 Phone \_\_\_\_\_

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

**Inspection Categories:**

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Hazardous Materials Business Plan, Acutely Hazardous Materials
- III. Under ground Storage Tanks

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

8:05 arrived onsite

Comments:

Bo Gin met me onsite. Opened VW-2. Pulled out Soakasee sock. Put bailer in. Got 1 1/4" free product. (FP). Continued bailing FP + emptying into 55-gal drum. Each time it took ~6 bailers before the thickness reduced to a sheen. Opened VW-1. There is no Soakasee sock, bec. there is not even a sheen, as evidenced by the bailer we put in which came out clean. Bo Gin bails VW-2 every Wed. + Fri. This drum needs to be lidded + labeled. Bo said Tin's Market was a gas station until ~1983 (Unocal). He thinks the ~~the~~ USTs were pulled.

8:35 left site

Contact \_\_\_\_\_  
Title \_\_\_\_\_  
Signature Bo Gin

Inspector Jennifer Eberle  
Signature J Eberle

**CAMBRIA**  
Environmental Technology, Inc.

ALSO  
HAZMAT

94 NOV 21 PM 4:37  
November 15, 1994

Ms. Joan Curtis  
Office of Planning and Building  
1330 Broadway  
Oakland, CA 94612  
VIA FAX (510) 238-2263

Re: Excavation Permit for Well Installation  
7th and Harrison Streets  
Oakland, California

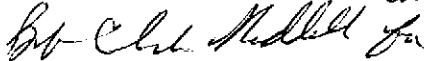
Dear Ms. Curtis:

As requested by Mr. Mike Vecchio of the City of Oakland, Traffic Engineering Division, Cambria Environmental Technology, Inc. (Cambria) prepared this letter to clarify some issues related to the installation of three ground water monitoring wells at the intersection of 7th and Harrison Streets in Oakland. Mr. Vecchio stated the proposed well locations are acceptable and they have already issued an encroachment permit, and that Traffic Engineering will issue the excavation permit upon receipt of this letter. We have already provided the necessary information for the driller we will use for this job, Soils Exploration Services of Vacaville, CA. Therefore, the subject work will be performed with the following understanding:

- Any costs necessary to relocate the wells will not be born by the City of Oakland,
- The wells will not be located within the existing crosswalks or within the proximity of existing wheelchair access ramps,
- Traffic control for lane closure will be in accordance with Caltrans or the Watch Handbook, and
- The work at the northwest and southeast corners will be performed between the hours of 9 am and 4 pm, and there are no time restrictions for the work at the southwest corner.

We trust this submittal meets your requirements. Please call if you have any questions or comments.

Sincerely,  
Cambria Environmental Technology, Inc.



N. Scott MacLeod, R.G.  
Principal Geologist

D:\PROJECTS\SB-2004\OAKL-116\TRAFFIC.WPD

cc: Mr. Mike Vecchio, Traffic Engineering Department  
Jennifer Eberle, Alameda County Department of Environmental Health

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

August 29, 1994  
STID 3749

Bo Gin  
288-11th St.  
Oakland CA 94607

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

RE: former Arco, 706 Harrison St., Oakland CA 94607

Dear Mr. Gin,

We are in receipt of the 8/15/94 Investigation Work Plan, prepared by Cambria Environmental Technology, Inc. This workplan includes a) five soil borings, three of which will be converted to soil vapor extraction and air sparging wells, b) an additional upgradient monitoring well, and c) three additional crossgradient and downgradient monitoring wells.

This workplan is acceptable for implementation. Please notify me at least 3 business days in advance of field activities.

Sincerely,

Jennifer Eberle  
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney  
Scott MacLeod, Cambria Environmental Technology, Inc.,  
1144-65th St., Suite C, Oakland CA 94608  
Ed Howell/file

je 3749-E

white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH  
 Hazardous Materials Inspection Form

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

II, III

Site ID # \_\_\_\_\_ Site Name Bo Gin Today's Date 6/27/94

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 706 Harrison St.

City Oakland Zip 94607 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

II.B ACUTELY HAZ. MATLS

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

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

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. 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: \_\_\_\_\_

Comments:  
 9:00 arrived onsite. Met Bo Gin  
 to bail the 2 vapor wells +  
 remove free product. Bo Gin replaced  
 the absorbent socks in VW-1 + VW-2.  
 We discussed varying the depth at  
 which we place the sock, to be  
 consistent w/change in gwe. Discussed  
 the use of measuring tape + water  
 finding paste. Also discussed doing  
 a fuel fingerprint on the product.  
 9:30 left site

Rev 6/88

II, III

Contact: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: P. K. [Signature]

Inspector: \_\_\_\_\_

Signature: [Signature]

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

June 10, 1994  
STID 3749

Bo Gin  
288-11th St.  
Oakland CA 94607

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Division  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(510) 271-4320

RE: former Arco, 706 Harrison St., Oakland CA 94607

Dear Mr. Gin,

We are in receipt of the 5/27/94 letter Report of Vapor Extraction Feasibility Testing (VEFT), prepared by Remediation Testing and Design (RTD), under your cover letter dated 6/1/94. This report concludes that VEFT can be used as an effective remediation technique at this site for removing hydrocarbons from unsaturated soils, the capillary fringe and the water table surface.

The 5/27/94 RTD report recommends a vacuum extraction treatment system, with 3 additional vacuum points, for this site. This office is in agreement with this recommendation, and therefore **requests that you submit a remediation workplan within 30 days, or by July 10, 1994.**

I have been informed today by Eva Vanek of DBA that the Soak Ease system for free product removal has been installed, and that you, Mr. Gin, are replacing the absorbent socks every other day.

Please notify me at least 3 business days in advance of field activities.

Sincerely,

Jennifer Eberle  
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney  
Dennis Bates, 494 Alvarado St., Suite B, Monterey CA 93940  
Eva Vanek, Dennis Bates Associates, 1020 Railroad Ave.,  
suite E, Novato 94945  
Ed Howell/file

je 3749-D



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

May 12, 1994  
STID 3749

Bo Gin  
288-11th St.  
Oakland CA 94607

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: **Free Product**, former service station, 706 Harrison St.,  
Oakland CA 94607

Dear Mr. Gin,

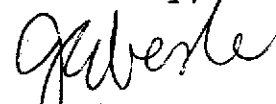
I visited your site on 4/21/94 during the vapor extraction feasibility test (VEFT) performed by Remediation Testing and Design (RTD). During the visit, I spoke with Howard Whitney of RTD. He indicated that there was approximately 5 inches of free, floating product in both vapor wells on Monday 4/18/94, at the start of the test.

During a telephone conversation with Eva Vanek on 5/12/94, she indicated that there was approximately 2 or 3 inches of free, floating product in the vapor wells when she last monitored the wells. This was approximately 2 weeks ago, after the VEFT.

The free, floating product is a concern to this office. **Therefore, you are required to ". . .remove free product to the maximum extent practicable, . . ." as per 23 CCR, Division 3, Chapter 16, Section 2655 (a). This must be done immediately. Please contact me upon receipt of this letter to discuss this matter.**

Please notify me at least 3 business days in advance of field activities.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney  
Dennis Bates, 494 Alvarado St., Suite B, Monterey CA 93940  
Ed Howell/file

je 3749-C

# Data Chart for Tank System Tightness Test

**petro title**

TANK-TESTER

TIT CO.  
Certified Test  
4430 Dam Road  
Richmond, CA 94803

222-9271

PLEASE PRINT

OAKLAND

1. OWNER Property  Tank(s)

Name: **BAY ALARM** Address: **OAKLAND** Representative: **325 755 Street** Telephone: **452-3211**

2. OPERATOR

Name: **AK** Address: **"** Telephone: **"**

3. REASON FOR TEST (Explain Fully)

**ANNUAL - TEST - Certification**

4. WHO REQUESTED TEST AND WHEN

Name: **Kay or Bryan** Title: **MAINT. shop** Company or Affiliation: **(510) 452-3211** Telephone: **8689**

5. WHO IS PAYING FOR THIS TEST?

Company, Agency or Individual: **BAY ALARM** Person Authorizing: **"** Title: **"** Telephone: **"**

Billing Address: **"** City: **"** State: **"** Zip: **"**

Attention of: **"** Order No. **"** Other Instructions: **"**

6. TANK(S) INVOLVED	Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
1. right of Pump	3,000	SFPC	Regular	20 years	STEEL	
2. left of Pump	10,000		Regular	80 years	STEEL	

7. INSTALLATION DATA	Location	Cover	Fills	Vents	Siphones	Pumps
	North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolided	Which tanks?	Suction, Remote, MAKE if known
	Center yard parking	Concrete asphalt	4" 4"	2"	NO	Tokhem

8. UNDERGROUND WATER

Depth to the Water table: **90** " Is the water over the tank?  Yes  No

9. FILL-UP ARRANGEMENTS

Tanks to be filled \_\_\_\_\_ hr. \_\_\_\_\_ Date Arranged by \_\_\_\_\_ Name \_\_\_\_\_ Telephone \_\_\_\_\_

Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.

Terminal or other contact for notice or inquiry \_\_\_\_\_ Company \_\_\_\_\_ Name \_\_\_\_\_ Telephone \_\_\_\_\_

10. CONTRACTOR, MECHANICS, any other contractor involved

11. OTHER INFORMATION OR REMARKS

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

12. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for **petro title** as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
3,000 Regular UN.	YES	NONE	4-30-94
10,000 Regular UN.	YES	NONE	4-30-94

STATE-LICENCE  
13. CERTIFICATION  
90-1354  
1619-972  
Serial No. of Thermal Sensor

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 929.

**414811373**  
**Larry** Technicians

**TITCO.**  
Certified Test **Laurence R. Zimmerman** Testing Contractor or Company. By: Signature  
4430 Dam Road  
Richmond, CA 94803  
222-9271

2.j

14. Bay ALARM 325 7th Street OAKLAND April 30, 1994

15. TANK TO TEST  
 left side pump, near to gate  
 UN. Regular

15a. BRIEF DIAGRAM OF TANK FIELD  
 10,000

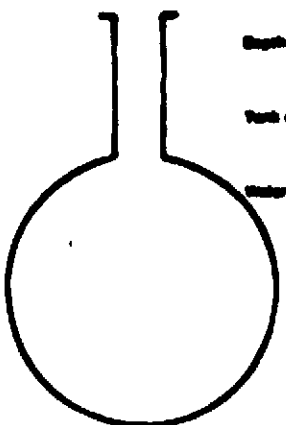
16. CAPACITY  
 Nominal Capacity 10,000  
 By next business day, capacity short available

Form:  
 Station Chart  
 Tank Manufacturer's Chart  
 Company Engineering Data  
 Charts supplied with  
 Other

17. FILL-UP FOR TEST  
 Main Water System 2" in 7 Gallons Tank Diameter 96 in  
 Total Gallons on Handing 10,180  
 80  
 10,200

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK  
 One manual operation applicable. Check before and record procedure in log (87).  
 Use maximum allowable test pressure for all tests  
 Four pound rule does not apply to double-walled tanks  
 Complete section below

1. Is four pound rule required? Yes  No
2. Height to 4" mesh from bottom of tank 228 in
3. Pressure at bottom of tank 6.0 P.S.I.
4. Pressure at top of tank 2.5 P.S.I.



NOTE:  
 The above calculations are to be used for dry cell conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of surface water in the tank area.  
 Refer to M.F.P.A. 24, Sections 9-2.1 and 9-7.2 and the tank manufacturer regarding allowable system test pressures.

CERTIFIED TANK TESTS (510) 222-9271  
 TRIPLE T COMPANY

Larry Zimmerman 4430 Dam Road Richmond, CA 94803  
 STATE OF CALIFORNIA WATER RESOURCES CONTROL BOARD UNDERGROUND STORAGE TANK TESTER LICENSE

LICENSE # 90-1354 EXPIRES: 12/31/96

LAWRENCE R. ZIMMERMAN 4430 DAM ROAD RICHMOND CA 94803  
 Lawrence R. Zimmerman for Chief, OJT, SWRCB



22. Thermal-barrier reading after circulation 12512  
 60/61  
 321  
 23. Delta per °F in range of expected change 6.81 321

21. VAPOR RECOVERY SYSTEM  Stage 1  Stage 2

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD  
 Type of Product UN. Regular  
 Hydrometer Employed 6  
 Temperature in Tank After Circulation 60  
 Temperature of Sample 63  
 Difference (+/-) +3  
 Observed A.P.I. Gravity 57.4  
 Refract 1498 Page 61  
 10,200 1498 6.809  
 Total quantity in full tank (10 or 15) Volume change in this tank per °F  
 Transfer to Line 1

24c. FOR TESTING WITH WATER see Table C & D  
 Water Temperature after Circulation Table C  
 Coefficient of Water Table D  
 Added Surfactant?  Yes  No Transfer COE to Line 20.

0.812

2)

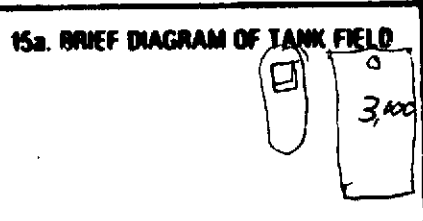
27. Sensor Calibration 10,000 BAY-ALARM LOG OF TEST PROCEDURES REGULAR			29. Reading No.		30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO 001 GAL			34. TEMPERATURE COMPENSATION USE FACTOR (u) .0212			38. NET VOLUME CHANGING EACH READING	39. ACCUMULATED CHANGE
28. TIME (24 HR)	Record details of setting up and running test (Use full length of line if needed)		Standpipe Level in Inches		32. Product in Graduate		33. Product Replaced (I)	35. Thermal Sensor Reading	36. Change Higher Lower (c)	37. Computation (I) - (a) - Expansion + Contraction	Temperature Adjustment Volume Minus Expansion (+) or Contraction (-) (#33V) - (#37I)	At Low Level Compute Change per Hour (NFPA criteria)		
	Beginning of Reading	Level to which Restored	Before Reading	After Reading	Product Recovered (I)									
PM 1:00	Set-up + running				Raise	STAND	pipe	up-on	AN	8'	to	offset water table.		
2:00	High-Level Test		Base	42"		.50				12512				
2:15	"	"	1.	40"	42"	.38				-12	516	+4	.08	-.20
2:30	"	"	2.	41"	42"	.32				-.06	520	+4	.08	-.14
2:45	"	"	3.	41.5"	42"	.29				-.03	523	+3	.06	-.09
3:00	"	"	4.	41.8"	42"	.28				-.01	526	+3	.06	-.07
3:15	"	"	5.	42.2"	42"	.29				+01	528	+2	.04	-.03
3:30	"	"	6.	42.5"	42"	.32				+03	530	+2	.04	-.01
3:45	"	"	7.	42.6"	42"	.36				+04	533	+3	.06	-.02
4:00	" Drop " To-Low-Level		8.	42.8"	42"	.41				+05	535	+2	.04	+010
4:15	spring Back		9.	12"	12"					+06	538	+3	.06	+000
4:30	Low-Level Test		10.	—	12"		.10			+06	540	+2	.04	+020
4:40	"	"	11.	12.8"	12"	.15				+05	542	+2	.04	+010
4:50	"	"	12.	12.7"	12"					+04	544	+2	.04	+000
5:00	"	"	13.	12.6"	12"					+04	545	+1	.02	+020
5:10	"	"	14.	12.6"	12"					+04	547	+2	.04	+000
5:20	"	"	15.	12.6"	12"					+04	548	+1	.02	+020
5:30	"	"	16.	12.6"	12"					+04	550	+2	.04	+000
5:40	"	"	17.	12.5"	12"					+03	552	+2	.04	-.010
5:50	"	"	18.	12.5"	12"					+03	554	+2	.04	-.010
6:00	"	"	19.	12.5"	12"					+03	555	+1	.02	+010
6:10	"	"	20.	12.5"	12"					+03	557	+2	.04	-.010
6:20	"	"	21.	12.5"	12"					+03	558	+1	.02	+010
6:30	"	"	22.	12.5"	12"					+03	560	+2	.04	-.010
END - TEST														+030

1. Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by NFPA publication 329

\* Tank and product handling system has been tested tight according to the Precision Test Criteria as established by NFPA publication 329. This is not intended to indicate permission of a leak

1 Net Volume Change at Conclusion of Precision Test +015 gph  
Signature of Tester Larry Zimmerman

15. TANK TO TEST  
right side pump near room  
Identify by location  
Un Regular  
Identify by grade



16. CAPACITY  
 Nominal Capacity 3,000  
Galons  
 By most accurate capacity chart available           
Galons

- From
- Station Chart
  - Tank Manufacturer's Chart
  - Company Engineering Data
  - Charts supplied with
  - Other

17. FILL-UP FOR TEST

Shut Water System before Fill-up 1" in 3 Galons Tank Diameter 74 in Inventory         

Galons	Total Galons on Reading
<u>        </u>	<u>3,050</u>
<u>        </u>	<u>    80</u>
<u>        </u>	<u>3,060</u>
<u>        </u>	<u>        </u>
<u>        </u>	<u>        </u>

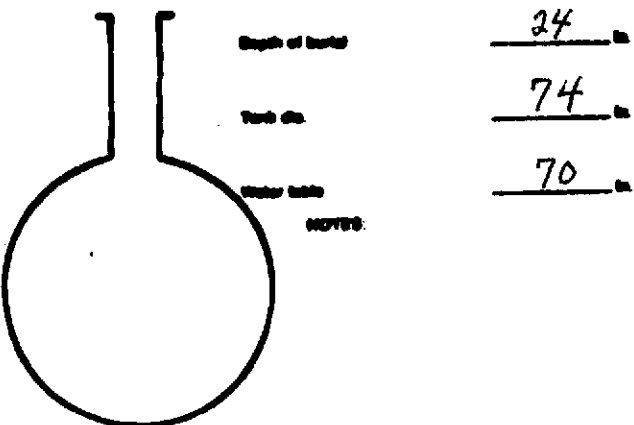
Transfer total to Line 20

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

- Steam in tank
- Lines being tested with LULU
- High water table in tank construction

See manual sections applicable. Check below and record procedure in log (if).  
 Use maximum allowable test pressure for all tests  
 Four pound rule does not apply to double-walled tanks  
 Complete section below

1. Is four pound rule required? Yes  No
2. Height to 4" mark from bottom of tank 42" in
3. Pressure at bottom of tank 4.0 P.S.I.
4. Pressure at top of tank 2.1 P.S.I.



The above calculations are to be used for dry cell conditions to establish positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.  
 Refer to NFPA 30, Sections 9-2.4 and 9-7.2 and the tank manufacturer regarding allowable system test pressures.

CERTIFIED TANK-TESTS (510) 222-9271

TRIPLE T COMPANY

Larry Zimmerman 4430 Dam Road Richmond, CA 94803

STATE OF CALIFORNIA WATER RESOURCES CONTROL BOARD UNDERGROUND STORAGE TANK TESTER LICENSE

LICENSE # 90-1354 EXPIRES: 12/31/96

LAWRENCE R. ZIMMERMAN 4430 DAM ROAD RICHMOND CA 94803



*Lawrence Zimmerman*  
 for Chief, DTTL, SWRCB

22. Thermal Stress reading after circulation 12588  
deg  
60/61 °  
between  
 23. Delta per °F in range of expected change 321  
deg  
 24. (B) 2.04 321 .0064  
Volume change per inch

21. VAPOR RECOVERY SYSTEM  Step 1  Step 2

20b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD

Type of Product Un. Regul  
 Hydrometer Employed 6  
 Temperature in Tank After Circulation 60 °  
 Temperature of Sample 63 °  
 Difference (+/-) +3 °  
 Observed A.P.L. Gravity 58.3 57  
 Background 1449 Page # 61  
3,060 1449 2.04  
Total capacity in full tank (10 or 15) Background Volume change in this tank per °F  
Transfer to Line 20c

20c. FOR TESTING WITH WATER see Table C & D

Water Temperature after Circulation Table C          °  
 Coefficient of Water Table D           
 Added Surfactant?  Yes  No Transfer COE to Line 20c



white -env.health  
 yellow -facility  
 pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name Bo Gen Today's Date 4/21/94

### 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 760 Harrison St.

City Oakland Zip 94607 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

### II.B ACUTELY HAZ. MATLS

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

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

### Comments:

10:40 arrived, Howard Whitney of RTD onsite.  
There was ~5" FP in both vapor wells on Mon. 4-18. VW1 flows better than VW2. FP gone by VW1 by end of Tues. 4-19. The system rested Wed. Gw has risen to be present in the vapor wells. Water is being extracted + stored in drums, which must be labeled.

11:00 left site

⊗ and VW2 had 4" by end of 4-19

### 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 Gndwater
    - One time soils
    - 5) Daily Inventory
    - Annual tank testing
    - Cont pipe leak det
    - Vadose/gndwater mon.
    - 6) Daily Inventory
    - Annual tank testing
    - Cont pipe leak det
    - 7) Weekly Tank Gauge
    - Annual tank testing
    - 8) Annual Tank Testing
    - Daily inventory
    - 9) Other \_\_\_\_\_

- \_\_\_ 7. Precs 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

Contact: Howard Whitney  
 Title: Project Geologist  
 Signature: [Signature]

Inspector: Jennifer Eberke  
 Signature: [Signature]

II, III

ALCO  
HAZMAT  
94 FEB 24 PM 2:11

February 23, 1994

Ms. Jennifer Eberle  
Alameda County Health Agency  
Division of Hazardous Materials  
Department of Environmental Health  
80 Swan Way, Room 350  
Oakland, CA 94621

Dear Ms. Eberle:

The attached letter was provided by Dennis Bates Associates in response to regulatory comments listed in the December 17, 1993 letter from the Regional Water Quality Control Board.

Sincerely,



Bo K. Gin





**Dennis Bates**  
**associates**  
INCORPORATED

February 18, 1994

Mr. Bo K. Gin  
Oakland Auto Parts & Tires  
288 Eleventh Street  
Oakland, CA 94706

RE: RESPONSE TO REGULATORY COMMENTS, OAKLAND AUTO PARTS, 706  
HARRISON STREET, OAKLAND, CALIFORNIA

Dear Mr. Gin:

Following our telephone conversation with Ms. Eberle of Alameda County Health Agency (ACHA) on February 16, 1994, I reviewed the 706 Harrison Street file to determine whether all of the items of concern listed on the November 22, 1993 letter from Alameda County Health Agency (ACHA) and the December 17, 1993 letter from the Regional Water Quality Control Board (RWQCB) had been fully addressed by Dennis Bates Associates (DBA). During my review, I encountered a letter from DBA to Ms. Eberle dated December 7, 1993 that addressed most of the items of concern. However, I believe that several of the items listed on the December 17th letter could be further addressed as follows:

No. 4:

The two drums containing cuttings from VW-1 and VW-2 were sampled in July, 1993 by DBA and submitted for lead analyses under your direction. Lead results indicate 5.5 mg/kg to 15 mg/kg for these drums. **Because these lead levels are not hazardous, DBA recommends that drummed soils could be added to the existing soil stockpile.** Four drums of water on site were tested for total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, xylenes (BTEX). Of the samples submitted, only TPH of 81  $\mu\text{g/l}$  in one barrel was detected in one drum. Therefore, **drummed water should not be considered hazardous, and DBA recommends that the drums be discharged on site.** A Water Analysis Summary Table will be forwarded to you within the next week for your evaluation.

*what about  
HCs?*

We understand that you may be interested in using the existing stockpile as fill to be covered by asphalt on site.

Environmental Consulting ■ Hazardous Materials Management  
494 Alvarado St. Suite B ■ Monterey, CA 93940 ■ 408 646 0668 ■ FAX 408 646 8036  
2011 Feliz Road ■ Novato, CA 94945 ■ 415 892 4131 ■ FAX 415 892 1912

No. 5,6:

Based on our review of numerous reports that have been completed for this site, it appears that the lead result of 430 mg/kg was detected in a stockpile sample (No. SPWO1-4) collected by Tank Protect Engineering Company during tank excavation in January, 1991. Since then, the stockpiles have been moved at least twice to facilitate site operations and an 18 mg/kg lead result was obtained in June, 1993 from the existing stockpile on site. Additionally, 200 mg/kg and 300 mg/kg waste oil was detected in a stockpile in January, 1991 and September, 1992, respectively. The stockpile was moved twice since then and re-sampled. At that time, the results indicated ND.

should  
we consider  
430 ppm Pb  
to be the  
existing conc

Although contaminant concentrations may vary considerably within a stockpile as they do in the subsurface, the accepted approach to obtaining representative samples is to collect and composite samples from 4 quadrants in a 50 cubic yard pile. Thus, it is not surprising, that when a stockpile is moved and re-sampled again, soils could mix and results could vary considerably. In regard to waste oil concentrations, it is also possible that natural biodegradation process may have reduced levels.

No. 10

You sent Request for Proposals (RFPs) to firms to conduct a Vapor Extraction Feasibility (VEF) test to design a remediation system at the site. We understand that you received at least four responses on February 18, 1994. DBA will review all of the bids during the week of February 21st and provide you with recommendations for selection at that time.

Please feel free to contact us with any questions or concerns you might have regarding the progress of this project.

Sincerely,  
DENNIS BATES ASSOCIATES, INC.



Eva Vanek  
Senior Geologist



Dennis R. Bates  
President

cc: Monterey  
File

C:\OAKLAND\ALLETGIN.218



**Dennis Bates**  
associates  
INCORPORATED

ALCO  
HAZMAT

94 FEB 22 PM 12:54

February 17, 1994

Mr. Bo Gin  
Oakland Auto Parts  
288 - 11th Street  
Oakland, CA 94607

RE: Obtaining bids for doing a vapor extraction feasibility test at 706 Harrison Street, Oakland, CA 94607; CLIENT FILE ENV 1514NA

Dear Bo:

This correspondence is in response to your concern about obtaining three bids prior to doing a vapor extraction feasibility test (VEFT). I spoke with Francine at the State Water Resources Control Board UST Cleanup Fund division who confirmed that if we are unable to obtain more than one (1) bid for the VEFT but have proof of sending out 13 "request for bid" letters, then we have fulfilled our requirement for attempting to obtain three (3) bids. Thus, the costs incurred from the VEFT are totally refundable such that we can begin the work.

Sincerely,

Dennis R. Bates, President. MPH, REHS  
DENNIS BATES ASSOCIATES, Inc.

cc: Jennifer Eberle  
Alameda County Health Department

envir\1514vef.LTR

## CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

2101 WEBSTER STREET, SUITE 500

OAKLAND, CA 94612

(510) 286 1255



Mr. Bo Gin  
288-11th Street  
Oakland CA 94607

December 17, 1993

File: 01-1068 &amp; 2198.17

RE: **Legal Request for Submittal of a Technical Report Resulting from the Alameda County Department of Environmental Health's Pre-Enforcement Review Panel Meeting on November 19, 1993**

Dear Mr. Gin:

It has been brought to my attention by Regional Board staff that a condition of soil and groundwater pollution exists on the property located at 706 Harrison Street, Oakland as a result of an underground storage tank release. The Alameda County Department of Environmental Health (ACHD) staff have requested technical reports from you to fulfill your obligations per California Code of Regulations, Title 23 Waters, Chapter 16, Underground Storage Tank Regulations, Article 11, Corrective Action Requirements. It is my understanding that ACHD staff were unsuccessful in eliciting your co-operation in resolving these issues through normal correspondence.

A Pre-Enforcement Review Panel was held at the ACHD offices attended by Mr. Richard Hiatt of my staff. Pursuant to the Regional Board's authority under Section 13267 (b) of the California Water Code, you are hereby required to submit a technical report to address soil and groundwater pollution at this site ~~with the same date of this letter.~~ This technical report should specifically address the following numbered items:

- ok 1) A plate which includes former UST locations, former pump island locations, and locations of soil samples from the 2/10/93 event in relation to monitor wells.
- ok 2) Were the monitor well locations moved from those proposed in the workplan? If so, why?
- ok 3) A table for the 2/10/93 soil sampling results.
- 1/2 ok 4) An assessment of how many drums of soil/water (specify) are on site. This material must be characterized and properly disposed, as must be done for the drill cuttings. All laboratory results and disposal documentation must be submitted to this office for ALL soil and water thus far disposed.
- 5) What is your theory for how Lead went from 430 ppm (waste oil stockpile sampled to 18 ppm (sampled 6/17/93)?
- 6) What is your theory for how Total Recoverable Petroleum

1-17-91)

Hydrocarbons went from 200 ppm (waste oil stockpile sampled 1/17/91) and 300 ppm (waste oil stockpile sampled 9/28/92) to non detectable ( sampled 6/17/93)?

- OK 7) The former pump island area along 7th Street must be located and characterized for Lead, as proposed in the 6/17/93 DBA workplan.
- NO 8) OK Complete results of well surveying, groundwater elevations, and groundwater potentiometric maps.
- OK 9) Well logs which include all construction details, depth to groundwater, and all soil sample locations.
- 10) Results for the vacuum Extraction Feasibility Test (VEFT) to be conducted via the vapor extraction wells as proposed in the 6/17/93 DBA workplan.

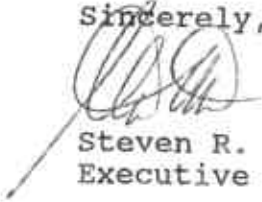
All work should adhere to the requirements of the Tri-Regional Board Staff Recommendations for the Preliminary Evaluation and Investigation of Underground Storage Tank Sites-August 10, 1990 and Article 11 of Title 23, Waters, California Code of Regulations.

I am hereby transmitting this request for a technical report to ACHD for service and continued case handling. You should be aware that failure on your part to submit the requested technical report, or late submittal may result in fines up to \$1000 per day of delinquency. Your response to this technical report request should be sent to the attention of Ms. Jennifer Eberle at ACHD. Please inform their office at least three working days in advance of all field activities.

Please be advised that this is a formal request for a technical reports pursuant to California Water Code Section 13267 (b). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the ACHD.

If you have any questions regarding the contents of this letter, Please contact Ms. Eberle of ACHD, at (510) 271-4530.

Sincerely,

  
Steven R. Ritchie  
Executive Officer

Enforcement Panel  
Page 3 of 3

cc: Gil Jensen, ACDA, 7677 Oakport Street, Suite 400, Oakland  
94621  
Thomas Peacock, ACHD, 80 Swan Way, Suite 200, Oakland 94621

white -env.health  
yellow -facility  
pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

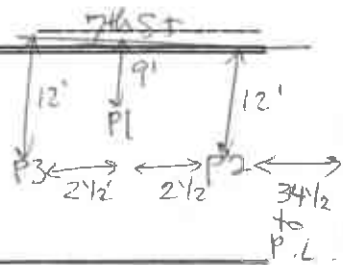
## Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name Boston Today's Date 12/14/93

Site Address ~~760~~ 706 Harrison St.  
City Oak Zip 94607 Phone \_\_\_\_\_

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?  
Inspection Categories:  
 I. Haz. Mat/Waste GENERATOR/TRANSPORTER  
 II. Business Plans, Acute Hazardous Materials  
 III. Underground Tanks



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

10:05 arrived onsite.  
**Comments:**

John Sammons has info re a Sanborn map. I requested a copy. John calculated the pump island was 37' from the P.L. at 7th + Harrison Sts. John says Bates + Bailey of Berkeley surveyed the wells some weeks ago.  
P1 - 2 1/2 - 3' first soil sample taken; was saturated w/water from rains.  
P2 - 1 1/2' second soil sample. Also saturated w/water. 12' from 7th St, 34 1/2' from P.L. at Harrison.  
P1 was 9' from 7th St, 37' from P.L.  
P3 - 2' third soil sample. P1, P2 + P3 to be analyzed for total lead. P3 was dry, located 12' from 7th St. (sidewalk) + 39 1/2' from P.L.

Drums: 4 of water + 2 of soil.  
MNs to be sampled today.  
11:40 left site

- II.A BUSINESS PLANS (Title 19)
- 1. Immediate Reporting 2703
  - 2. Bus. Plan Sids. 25503(b)
  - 3. RR Cars > 30 days 25503.7
  - 4. Inventory Information 25504(a)
  - 5. Inventory Complete 2730
  - 6. Emergency Response 25504(b)
  - 7. Training 25504(c)
  - 8. Deficiency 25505(a)
  - 9. Modification 25505(b)

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

- III. UNDERGROUND TANKS (Title 23)
- General
- 1. Permit Application 25284 (H&S)
  - 2. Pipeline Leak Detection 25292 (H&S)
  - 3. Records Maintenance 2712
  - 4. Release Report 2651
  - 5. Closure Plans 2670

- Monitoring for Existing Tanks
- 6. Method
    - 1) Monthly Test
    - 2) Daily Vadose
    - Semi-annual groundwater
    - One time soils
    - 3) Daily Vadose
    - One time soils
    - Annual tank test
    - 4) Monthly Gndwater
    - One time soils 10:30
    - 5) Daily Inventory
    - Annual tank testing
    - Cont pipe leak det
    - Vadose/gndwater mon. 11:00
    - 6) Daily Inventory
    - Annual tank testing
    - Cont pipe leak det
    - 7) Weekly Tank Gauge
    - Annual tank tising
    - 8) Annual Tank Testing
    - Daily Inventory
    - 9) Other

- 7. Precs 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: \_\_\_\_\_

Rev 6/88

Contact: \_\_\_\_\_  
Title: \_\_\_\_\_  
Signature: \_\_\_\_\_

Inspector: \_\_\_\_\_  
Signature: [Signature]

II, III

John  
415 298

mobile  
4572



Dennis Bates  
associates  
INCORPORATED

FACSIMILE TRANSMISSION

Number Faxed To: 510-569-4757

DATE: 12/9/93

TO: Division of Haz. Materials  
Leaking UST Program

ATTN: Jennifer Eberle

FROM: Dennis Bates

TITLE: \_\_\_\_\_

CLIENT NAME: Bo Gen

JOB #: STID 3749

TOTAL NUMBER OF PAGES, INCLUDING COVER SHEET: 1

MESSAGE:

This is to notify you that we plan  
to conduct quarterly monitoring sampling, drum  
sampling and former pump island soil sampling  
on:

Tuesday December 14  
8:30 AM approximate on-site begin time

IF YOU DO NOT RECEIVE THE CORRECT NUMBER OF PAGES, PLEASE CALL  
(408) 646-0668.

FAX NUMBER (408) 646-8036

Environmental Consulting - Hazardous Materials Management  
494 Alvarado St. Suite B - Monterey, CA 93940 • 408 646 0668



**STATE WATER RESOURCES CONTROL BOARD**

DIVISION OF CLEAN WATER PROGRAMS

2014 T STREET, SUITE 130

P.O. BOX 944212

SACRAMENTO, CALIFORNIA 94244-2120

(916) 227-4413

(916) 227-4530 (FAX)



NOV 24 1993

**Site: 706 Harrison Street  
Oakland, CA 94606**

Mr. Bo Gin  
288 - 11th Street  
Oakland, CA 94607

Dear Mr. Gin:

**UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 1254**

The State Water Resources Control Board (State Board) takes pleasure in issuing the attached Letter of Commitment in an amount not to exceed **\$26,000**. This Letter of Commitment is based upon our review of the corrective action costs incurred to date and your application received on January 17, 1992 and may be modified by the State Board in writing by an amended Letter of Commitment.

**The State Board will take steps to withdraw this Letter of Commitment after 90 calendar days from the date of this transmittal letter unless you proceed with due diligence with your cleanup effort.** This means that you must take positive, concrete steps to ensure that corrective action is proceeding with all due speed. For example, if you have not started your cleanup effort, you must obtain three bids and sign a contract with one of these bidders within 90 calendar days. If your cleanup effort has already started and was delayed, you must resume the expenditure of funds to ensure that your cleanup is proceeding in an expeditious manner. You are reminded that you must comply with all regulatory agency time schedules and requirements. We constantly review the status of all active claims, and failure to proceed with due diligence will be grounds for withdrawal of this Letter of Commitment. You should read the terms and conditions listed in the Letter of Commitment. Also attached you will find:

- A "Reimbursement Request Instructions" package. You should retain this package for future reimbursement request. Among other information, the package includes instructions for completion of the "Reimbursement Request" form and the "spreadsheet". These instructions must be followed when seeking reimbursements for corrective action costs incurred after January 1, 1988. Included in these instructions are samples of Reimbursement Request forms and complete Spreadsheets. Within the package also included are:
  - Recommended Minimum Invoice Cost Breakdown.
  - A "Certification of Non-Recovery From Other Sources" which must be returned before any reimbursements can be made.
  - A "Bid Summary Sheet" to document data on bids received.
- Three "Reimbursement Request-Underground Storage Tank Cleanup Fund" forms which you must use to request reimbursement of costs incurred.
- Two "Spreadsheets" which you must use in conjunction with your Reimbursement Request.
- "Vendor Data Record" (Std. form 204) which must be completed and returned with your first Reimbursement Request.

If you have any questions regarding the Letter of Commitment or the Reimbursement Request package, please contact Blessy Torres at (916) 227-4535.

Sincerely,

Dave Deaner, Manager  
Underground Storage Tank  
Cleanup Fund Program

## Attachments

cc: Tom Pascock  
Alameda County Health Agency  
Div of Hazardous Materials  
80 Swan Way  
Oakland, CA 94621

Don Dalke  
Regional Water Quality Control Board  
San Francisco Bay Region  
2101 Webster Street, Suite 500  
Oakland, CA 94612

LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: 001254

AMENDMENT NO: 0

CLAIMANT: B. Gin  
JOINT-CLAIMANT:

BALANCE FORWARD: \$0

CLAIMANT ADDRESS: 288 - 11th Street  
Oakland, CA 94607

THIS AMOUNT: \$26,000

NEW BALANCE: \$26,000

TAX ID / SSA NO. 546-46-9755

Subject to availability of funds, the State Water Resources Control Board (State Board) agrees to reimburse Bo Gin (claimant) for eligible corrective action costs at 706 Harrison Street, Oakland, CA 94606 (site). The commitment reflected by this Letter is subject to all of the following terms and conditions:

1. Reimbursement shall not exceed \$26,000 unless this amount is subsequently modified in writing by an amended Letter of Commitment.
2. The obligation to pay any sum under this Letter of Commitment is contingent upon availability of funds. In the event that sufficient funds are not available for reasons beyond the reasonable control of the State Board, the State Board shall not be obligated to make any disbursements hereunder. If any disbursements otherwise due under this Letter of Commitment are deferred because of unavailability of funds, such disbursements will promptly be made when sufficient funds do become available. Nothing herein shall be construed to provide the Claimant with a right of priority for disbursement over any other claimant who has a similar Letter of Commitment.
3. Unless modified in writing by the State Board, this Letter of Commitment covers work through Phase II of corrective action work.
4. All costs for which reimbursement is sought must be eligible for reimbursement and the Claimant must be the person entitled to reimbursement thereof.
5. Claimant must at all times be in compliance with all applicable state laws, rules and regulations and with all terms, conditions, and commitments contained in the Claimant's Application and any supporting documents or in any payment requests submitted by the Claimant.
6. No disbursement under this Letter of Commitment will be made except upon receipt of acceptable Standard Form Payment Requests duly executed by or on behalf of the Claimant. All Payment Requests must be executed by the Claimant or a duly authorized representative who has been approved by the Division of Clean Water Programs.
7. Any and all disbursements payable under this Letter of Commitment may be withheld if the Claimant is not in compliance with the provisions of Paragraph 5 above.
8. Neither this Letter of Commitment nor any right thereunder is assignable by the Claimant without the written consent of the State Board. In the event of any such assignment, the rights of the assignee shall be subject to all terms and conditions set forth in this Letter of Commitment and the State Board's consent.
9. This Letter of Commitment may be withdrawn at any time by the State Board if completion of corrective action is not performed with reasonable diligence.

IN WITNESS WHEREOF, this Letter of Commitment has been issued by the State Board this 15th day of November, 1993.

STATE WATER RESOURCES CONTROL BOARD

BY Lon Marble  
Manager, Underground Storage Tank Cleanup Fund Program

BY James B. Staller  
Chief, Division Administrative Services

STATE USE :
CALSTARS CODING :
0550 - 569.02 - 30530
\$

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

November 22, 1993  
STID 3749

Bo Gin  
288-11th St.  
Oakland CA 94607

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: former service station  
706 Harrison St.  
Oakland CA 94607

Dear Mr. Gin,

This letter is being written in response to your request for interim direction subsequent to the Review Panel meeting held on 11/19/93. These suggestions may not be all inclusive, nor should they be construed to replace the forthcoming directive from the State Water Resources Control Board (SWRCB).

In regards to the 9/20/93 "Report of Groundwater Monitoring Well Installation" by Dennis Bates Associates (DBA), the following items must be clarified:

- 1) Plate 3 should include former UST locations, as well as locations of 2/10/93 soil samples in relation to MWs.
- 2) There should be a table for the 2/10/93 soil sampling results.
- 3) ALL soil sample locations from the 2/10/93 event should be included on Plate 2A.
- 4) How many drums of soil/water are onsite? They must be characterized and properly disposed. The same should be done for the drill cuttings which were thrown into the existing stockpile, against J. Eberle's objection during well drilling on 7/22/93. All laboratory reports and disposal documentation must be submitted to this office for ALL soil and water thus far disposed.
- 5) What is your theory for how Pb went from 430 ppm (waste oil stockpile sampled 1/17/91) to 18 ppm (sampled 6/17/93)?
- 6) What is your theory for how TRPH went from 200 ppm (waste oil stockpile sampled 1/17/91) and 300 ppm (waste oil stockpile sampled 9/28/92) to ND ppm (sampled 6/17/93)?
- 7) Were the MW locations moved from those proposed in the workplan? If so, why?

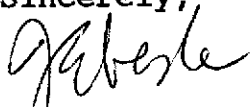
Bo Gin  
STID 3749  
November 22, 1993  
page 2 of 2

**The following activities must be conducted:**

- A) The former pump island area along 7th St. must still be located and characterized for lead, as proposed in the 6/7/93 DBA workplan. This area was reported as having 370 ppm lead on 1/17/91. The soil and water samples analyzed for Pb and reported as ND in the 9/20/93 DBA report were from different locations and depths than the former pump island area along 7th St. Therefore, your recommendation on page 10 for no further lead sampling has no basis.
- B) Submit complete results of well surveying, groundwater elevations, and groundwater potentiometric maps.
- C) Well logs should be revised to include depth to groundwater and all construction details.
- D) Submit results for the Vacuum Extraction Feasibility Test (VEFT) to be conducted via the vapor extraction wells, as proposed in the 6/7/93 DBA workplan.

Please notify me at least 3 business days in advance of field activities so that I may arrange to be onsite.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney  
Dennis Bates, 494 Alvarado St., Suite B, Monterey CA 93940  
Ed Howell/file

je

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

In Re The Property Known As :

Former Service Station )  
706 Harrison St. )  
Oakland CA 94607 )

Proof of Service of  
Notice of  
Pre-Enforcement  
Review Panel

I Jennifer Eberle, do hereby certify  
that I served Mr. Bo Gin  
with a copy of the attached Notice of Pre-Enforcement Review  
Panel on 11/5/93 by certified  
mailer # ~~P 062 128 258~~

Dated: 11/5/93

J Eberle  
(signature)

served in person to Bo Gin on  
11-17-93 5:15 pm J Eberle

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  Mr. Bo Gin 208-11th St. Oakland CA 94607  STID 3749 je	4. Article Number P062 128 258
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b>	
5. Signature — Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery	

PS Form 3811, Mar. 1988 \* U.S.G.P.O. 1988-212-808 DOMESTIC RETURN RECEIPT

ALCO COUNTY  
 HEALTH CARE SERVICES AGENCY  
 Hazardous Materials Program  
 80 Swan Way, Rm. 200  
 Oakland, CA 94621



Mr. Bo Gin  
 208-11th St.  
 Oakland CA 94607

ALCO  
 HAZMAT  
 93 NOV 15 PM 12:27



(5)

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

**In Re The Property Known As :**

Former Service Station )  
706 Harrison St. )  
Oakland CA 94607 )

**Proof of Service of  
Notice of  
Pre-Enforcement  
Review Panel**

I Jennifer Eberle, do hereby certify  
that I served Mr. Bo Gin  
with a copy of the attached **Notice of Pre-Enforcement Review  
Panel** on 11/5/93 by certified  
mailer # P 062 128 258

Dated: 11/5/93

  
(signature)

P 062 128 258

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

Sent to		Mr. Bo Gin
Street and No.		208-11th St.
P.O., State and ZIP Code		Oakland CA 94607
Postage		\$
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees		\$
Postmark or Date		

3800, JUN 93 11:55





**db****Dennis Bates  
associates  
INCORPORATED**

## FACSIMILE TRANSMISSION

Number Faxed To: (510) 569-4757DATE: 11/5/93TO: UST Local Oversight Program ATTN: Jennifer EberleFROM: Dennis Bates TITLE: PresidentCLIENT NAME: Bo Guin JOB #: 1514NAJOB # STID 3749TOTAL NUMBER OF PAGES, INCLUDING COVER SHEET: 3

## MESSAGE:

*Jennifer,*  
 Attached is the cover letter on the  
 referral report for Mr. Bo Guin's property.  
 The original and report went out by Federal  
 Express today.

*Dennis*

IF YOU DO NOT RECEIVE THE CORRECT NUMBER OF PAGES, PLEASE CALL  
 (408) 646-0668.

FAX NUMBER (408) 646-8036

Environmental Consulting • Hazardous Materials Management  
 494 Alvarado St. Suite B • Monterey, CA 93940 • 408 646 0668



**Dennis Bates**  
**associates**  
INCORPORATED

93 NOV -8 AM 9:21

November 4, 1993

Alameda County Health Care Services Agency  
Department of Environmental Health - UST Oversight Program  
80 Swan Way, Room 200  
Oakland, CA 94621

Attention: Ms. Jennifer Eberle, Hazardous Materials Specialist

Dear Ms. Eberle:

Re: STID 3749 - 706 Harrison Street, Oakland, CA 94607; Our File  
No. 1514NA

This is response to your notice of violation letter to Mr. Bo Gin dated October 28, 1993. For reasons unknown to both of us, it appears that you did not receive the attached report dated September 22, 1993, Report of Groundwater Monitoring Well Installation. It was mailed to you from our Novato office shortly after we spoke on October 1, 1993. Please find attached a duplicate copy of the above referenced report which is being sent to you by Federal Express with confirming signature of receipt.

With respect to your question regarding the former pump island area on the Seventh Street side of the site and subsurface lead levels, as we state in the Recommendations section of the report, we feel that with the non-detect for lead in the shallow soil results from sample MW1-5 at five feet, there is no need for further evaluation for lead. The MW1 boring was in the approximate location of that pump island.

You had requested that we sample the tailings (two drums) from the vent well borings. This will be done in conjunction with the next round of water monitoring scheduled at the site.

As you know, Mr. Gin is having financial difficulties paying for this investigation and the anticipated remediation at the site. He has an application in to the State Underground Leaking Tank Fund which was to be approved and funded soon. Mr. Gin has not received word that he will receive funds at this time. Accordingly, we are requesting longer implementation times from the Alameda County for Mr. Gin on this investigation until such time as he can afford to cover these costs.

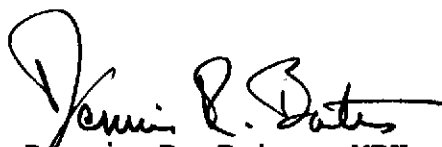
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Environmental Consulting ■ Hazardous Materials Management  
494 Alvarado St. Suite B ■ Monterey, CA 93940 ■ 408 646 0668 ■ FAX 408 646 8036

Your assistance and understanding in this matter will be greatly appreciated by Mr. Gin who is committed to completing the cleanup so that he can put that property to beneficial land use.

Finally, I am committing our company to doing a better job of working with you and the Alameda Health Care Services Agency on this project. Notice of Violations are not in the best interests of our client, our company or the county. Let's work together to avoid having events get to this point again. If there is a problem or missing document, please give me a call. As an Environmental Health Specialist who has been in the profession for over 30 years, I have an obligation to the public whose trust I hold. Our goal is the same as yours for this project. Together we can work to realize it.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Dennis R. Bates".

Dennis R. Bates, MPH, REHS  
President

cc: Gil Jensen, Alameda County District Attorney  
Edgar Howell, Environmental Health - UST Oversight Program  
Bo Gin

Attachments  
envir\1514NACO.LTR

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

October 28, 1993  
STID 3749

Bo Gin  
288-11th St.  
Oakland CA 94607

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: former service station  
706 Harrison St.  
Oakland CA 94607

**NOTICE OF VIOLATION**

Dear Mr. Gin,

As you know, I was onsite on 7/22/93 for the installation of monitoring wells and vapor extraction wells. This work was part of a workplan dated 6/7/93, prepared by Dennis Bates Associates (DBA). This workplan was conditionally accepted by letter dated 6/14/93. The final report was to be received by 9/14/93, as indicated by our 6/14/93 letter, as well as the 6/7/93 workplan. During a telephone conversation between myself and Dennis Bates on 10/1/93, the report was promised to me the week of 10/4/93. No report has been received. Every step of this investigation has been fraught with delay. Hence, this **Notice of Violation**. This case is being referred to the Alameda County District Attorney office for guidance.

In the meantime, you are required to submit the final report for work proposed in the 6/7/93 workplan by Dennis Bates Associates (DBA) **within 5 days or by November 4, 1993.**

Please be advised that "no person shall close an underground tank system unless that person . . . demonstrates 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," as per Section 25298 (c) (4) of the California Health & Safety Code, (CH&SC) Division 20, Chapter 6.7. Further, "any operator of an underground tank system shall be liable for a civil penalty of not less than five hundred dollars (\$500) or more than five thousand dollars (\$5,000) for each underground storage tank for each day of violation for. . . failure to properly close an underground tank system," as per Section 25299 (a) (5) of CH&SC, Division 20, Chapter 6.7.

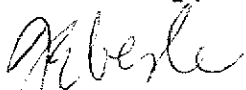
Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267(b). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.

Bo Gin  
STID 3749  
October 28, 1993  
page 2 of 2

Please note that reports and documents no longer need to be copied to the Regional Water Quality Control Board. Kindly submit a cover letter with your consultant's reports. If you have any questions, please contact me at 510-271-4530.

Please notify me at least 2 business days in advance of field activities so that I may arrange to be onsite.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney  
Dennis Bates, 494 Alvarado St., Suite B, Monterey CA 93940  
Ed Howell/file

je

white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name bc Gin (vacant lot) Today's Date 7/22/93

Site Address 706 Harrison St.  
 City Oakland Zip 94607 Phone \_\_\_\_\_

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

Inspection Categories:

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

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

Comments:

VEW1 has odors at 10'+15' bgs. RG says we'll screen from 15-20' bgs. Doesn't want to screen into gw. Native soil w/ strong HC odor at 17' bgs. Took one sample at 17' bgs 17.5-18' bgs.

11:35 Drilling of VEW2. Drill cuttings are going into another drum. Both these drums are labeled "Non-Hazardous Waste"

2:45 Drilling MW2. Cuttings placed on existing stockpile. They ran out of blank casing, so they'll leave augers in holes for MW2 + MW3 until they get more casing (tomorrow). Gw at 19-20' bgs. Got some HC odor.

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(i)
- 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 Gndwater
      - One time soils
    - 5) Daily Inventory
      - Annual tank testing
      - Cont pipe leak det
      - Vadose/gndwater mon.
    - 6) Daily Inventory
      - Annual tank testing
      - Cont pipe leak det
    - 7) Weekly Tank Gauge
      - Annual tank testing
    - 8) Annual Tank Testing
    - 9) Other \_\_\_\_\_

- 7. Precs 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: \_\_\_\_\_

Rev 6/88

Contact: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Inspector: J. Eberle

Signature: J. Eberle

II, III

white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH  
 Hazardous Materials Inspection Form

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

II, III

Site ID # \_\_\_\_\_ Site Name Bo Yin (vacant lot) Today's Date 7/22/93

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 706 Harrison St.  
 City Oakland Zip 94607 Phone \_\_\_\_\_

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

Inspection Categories:

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

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

II.B ACUTELY HAZ. MATLS

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

8:45 am

III. UNDERGROUND TANKS (Title 23)

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- \_\_\_ 6. Method
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    - 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/gndwater mon.
    - 6) Daily Inventory
      - Annual tank testing
      - Cont pipe leak det
    - 7) Weekly Tank Gauge
      - Annual tank test
    - 8) Annual Tank Testing
      - Daily Inventory
    - 9) Other \_\_\_\_\_

- \_\_\_ 7. Precs 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: \_\_\_\_\_

Rev 6/88

Comments:

Drilling of MWs by HEW Drilling Co. Lic # 384167 E Palo Alto 415-322-0851. Glen White is a field geologist, new to DBA. Howard Whitney is a RG w/ RTD, + is being subcontracted by DBA. Both these geologists are onsite. The drilling muds were deposited on directly on the ground. I requested they either be placed in drums or stockpiled on plastic SEPARATELY from the existing stockpile. Request made to John Sammons. We encountered gw in MW1 at 22-23' bgs. It will be screened from 18-28" bgs. They used #3 sandpack. Weathered HC odor at 10' + 15' bgs, slight HC odor at 20' bgs.

Drilling of VEW1 (1st vapor recovery well). They are now depositing drill cuttings into a labeled drum.

II, III

Contact: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Inspector: Jennifer Eberle

Signature: J Eberle



7-22-93 706 Harrison St.  
Oakland CA 94607  
soil pile is drill cuttings

from mw1

**RTD** REMEDIATION TESTING  
AND DESIGN

Environmental Investigations • Soil/Groundwater/Vapor Sampling  
Remediation Feasibility Testing • Regulatory Negotiations

Howard E. Whitney, R.G.  
*Principal Hydrogeologist*

609 Pacific Avenue, Suite 201  
Santa Cruz, CA 95060

Phone (408) 458-1612  
Fax (408) 458-1509



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director

June 14, 1993  
STID 3749

Bo Gin  
288-11th St.  
Oakland CA 94607

RE: 706 Harrison St.  
Oakland CA 94607

Post-It™ brand fax transmittal memo 7671 # of pages ▶	
To <i>Blessy Torres</i>	From <i>J. Eberle</i>
Co.	Co.
Dept.	Phone #
Fax #	Fax #

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

Dear Mr. Gin,

6-7-93  
We are in receipt of the "Amendment 1 to Workplan for Soil Disposal, Overexcavation, and Ground Water Monitoring Well Installation," prepared by Dennis Bates Associates, Inc., dated ~~1-13-93~~ but received in our office on 6/11/93. The workplan includes the installation of three groundwater monitoring wells, two vapor recovery wells and two soil borings; sampling of the former pump island near 7th St. and the stockpiled soil; and a vacuum extraction feasibility test.

We are also in receipt of a revised site map faxed to our office on 6/14/93. This site map indicates the locations of 3 monitoring wells in relation to the former USTs. The pump island near Harrison St. is also depicted; however, my request was the depiction of the 7th St. pump island and sampling locations. It is my assumption that these sampling locations will be determined in the field.

This workplan is acceptable on the condition that the purge water and drilling muds must be properly characterized and disposed in a timely fashion; documentation must be submitted to this office. Please inform me 3 working days in advance of field activities. As the workplan indicates, "all work should be completed approximately within 3 months after approval and funding of this workplan and receipt of all appropriate permits." I interpret this to mean that I will receive a final report within 3 months, or by **September 14, 1993**.

If you have any questions, please contact me at 510-271-4530.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: Dennis Bates, Dennis Bates Assoc., 494 Alvarado St., Suite  
B, Monterey CA 93940  
Gil Jensen, Alameda County District Attorney Office  
Rich Hiett, RWQCB  
Ed Howell/file

je

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

April 20, 1993  
STID 3749

Bo Gin  
288-11th St.  
Oakland CA 94607

**NOTICE OF VIOLATION**

RE: 706 Harrison St.  
Oakland CA 94607

Dear Mr. Gin,

This letter serves as notification of non-compliance with the formal request made in our letter dated 3/25/93. As you know, the 3/25/93 formal request was made for a workplan for a further subsurface investigation. This workplan has not been received in our office. You are once again requested to submit a workplan which addresses the five items in the 3/25/93 letter **within 30 days or by May 20, 1993**. You are also requested to submit the proper treatment permits and sampling results for the stockpile which is apparently being aerated onsite **within 30 days or by May 20, 1993**.

**This is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Failure to respond or a later response could result in the referral of this case to the RWQCB for enforcement, possibly subjecting the responsible party to civil penalties to a maximum of \$1,000 per day. Any extensions of the stated deadlines of modifications of the required tasks must be confirmed in writing by either this agency or the RWQCB.**

All work should adhere to a) the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, dated 8/10/90; b) the State Water Resources Control Board LUFT Field Manual; and c) Article 11 of Title 23, California Code of Regulations. Reports and proposals must be submitted **under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer**. All reports and documents pertaining to this investigation should also be sent to Rich Hiatt of the Regional Water Quality Control Board (RWQCB).

Bo Gin  
STID 2749  
page 2 of 2  
April 20, 1993

If you have any questions, please contact me at 510-271-4530.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: John Sammons, Dennis Bates Assoc., 494 Alvarado St., Suite  
B, Monterey CA 93940  
Gil Jensen, Alameda County District Attorney Office  
Rich Hiett, RWQCB  
Ed Howell/file

je

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

March 25, 1993  
STID 3749

Bo Gin  
288-11th St.  
Oakland CA 94607

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: 706 Harrison St.  
Oakland CA 94607

Dear Mr. Gin,

As you know, overexcavation and resampling of the above referenced site was conducted on 2/10/93. I was present during much of these activities. However, the single 6,000-gallon tank pit had been sampled and backfilled prior to my arrival on site, as per a conversation between myself and John Sammons onsite on 2/10/93. I did witness soil sampling in the main tank pit, however. Sample #1 was taken at 16' bgs from the bottom of the excavation. Sample #2 was taken from the sidewall at approximately 10' bgs. The soil was stained green from a depth of approximately 10' bgs to the bottom of the excavation (16' bgs). No further sampling was conducted due to the instability of the excavation.

The stockpile generated from the overexcavation on 2/10/93 was to be sampled at a later date. The stockpile has been flattened out to approximate dimensions of 25' x 10' x 1', as was seen on subsequent site visits by myself. It appears that the stockpile is undergoing treatment, possible aeration. If this is the case, please submit copies of the proper treatment permits. During a telephone between myself and John Sammons on 3/5/93, he indicated that the stockpile had not been sampled.

He also indicated that a workplan for further work would be submitted the week of 3/15/93; the results for the 2/10/93 field work would be included with the workplan. Since I have not received any such workplan, this is a formal request for a workplan within 21 days or by April 15, 1993 which would include the following:

- 1) At least two soil borings in the vicinity of the main tank pit, in lieu of further sampling in the excavation.
- 2) Three groundwater monitoring wells, with one in the vicinity of the former waste oil tank, and one in the vicinity of the main tank pit.

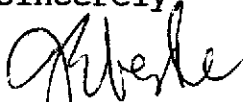
Bo Gin  
STID 3749  
March 22, 1993  
page 2 of 2

- 3) Soil samples from the well boreholes will be collected and analyzed at five foot intervals, or at changes in lithology, beginning at five feet below grade; analytes shall include TPH-gasoline and BTEX.
- 4) All investigation-derived materials, such as purge water and drilling muds, must be properly stored, characterized and disposed.
- 5) Lead contamination in the vicinity of the dispenser near 7th St. (370 ppm TTLC) and in the waste oil tank stockpile (430 ppm TTLC) must still be addressed.


**This is a formal request for technical reports pursuant to California Water Code Section 13267(b). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.**

If you have any questions, please contact me at 510-271-4530.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: John Sammons, Dennis Bates Assoc., 494 Alvarado St., Suite  
B., Monterey CA 93940  
Gil Jensen, Alameda County District Attorney Office  
Rich Hiett, RWQCB  
~~Ed Howell~~/file 

je 3749-A



**TANK PROTECT ENGINEERING**

2821 Whipple Road  
Union City, CA 94587-1233  
(510) 429-8088 • (800) 523-8088  
FAX (510) 429-8089

**RECEIVED**

FEB 16 1993

SR N0097C

11 FEB 93

DISTRICT ATTORNEY  
ALAMEDA COUNTY  
CEPD

Gilbert Jensen, Esq.  
Assistant District Attorney  
Alameda County District Attorney's Office  
Consumer & Environmental Protection Division  
7677 Oakcourt Street, Suite 400  
Oakland, CA 94621

Subj: CRIMINAL INVESTIGATION OF DENNIS BATES & ASSOCIATES

Ref. (a) Phoncon Atty. T.M. Smith / Asst. Dist. Atty. G. Jensen dtd 5 Feb 93.

Dear Mr. Jensen:

Pursuant to your request in reference (a), I have reviewed the information provided to me by my principal to ascertain you of the former business relationship between my principal and Mr. Bo Gin dba Oakland, Auto Parts and Tires at 288 11th Street in Oakland/

The two parties apparently had a contract to remove an underground storage tank at 706 Harrison Street. A dispute resulted over the amount of work performed and the amount of money owed.

The dispute evolved into Alameda County Municipal Court Civil Action No. 525529. This lawsuit was then resolved by a "Settlement Agreement and Mutual General Release," which provided payment to my principal in the amount of \$5,379.00

Neither my review of the settlement agreement nor the information provided to me indicated any allegation against my principal concerning the propriety or accuracy of any laboratory test results of soil samples taken.


I also have been provided a copy of a letter by Alameda County Hazardous Materials Specialist Jennifer Eberle to Mr. Bo Gin dated 5 February 1993. I note the third paragraph of page one of this letter states that "records of tank removal operations are not available and that the contractor who removed the tanks and

appurtenances is no longer in business." As to the former, I believe I could provide those records to either you or Ms. Eberle upon request. As to the latter, I assure you that to the best of my knowledge and belief Tank Protect Engineering of Northern California, Inc. is still "in business". For your information, however, there is a company in Orange, California, Poolad International, Inc. (Poolad) dba Tank Protect Engineering. The president of Poolad, Cyrus Namini, is upon information and belief, a minority shareholder of my principal. Further, upon information and belief, I believe Poolad may be encountering financial difficulties at the present time.

Please contact me should you have any questions or require further information on the above.

Respectfully yours,

TANK PROTECT ENGINEERING  
OF NORTHERN CALIFORNIA, INC.

  
THORN McCLELLAN SMITH  
CORPORATE COUNSEL

TMS/met

cc: Jeff Farhoomand, M.S., C.E.  
President

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name Bo Gin/Oakland Auto Parts Today's Date 2/10/93  
 Site Address 706 Harrison St. EPA ID# \_\_\_\_\_  
 City Oakland CA Zip 94607 Phone \_\_\_\_\_

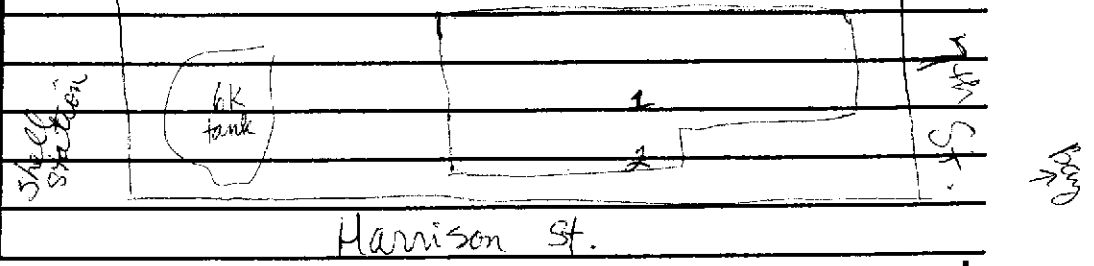
MAX Amt. Stored > 500lbs/55g/200cf? Y N  
 Hazardous Waste generated per month? \_\_\_\_\_

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

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
- 
- Manifest**
- \_\_\_ 6. Records 66492
  - \_\_\_ 7. Correct 66484
  - \_\_\_ 8. Copy sent 66492
  - \_\_\_ 9. Exception 66484
  - \_\_\_ 10. Copies Rec'd 66492
- 
- Misc.**
- \_\_\_ 11. Treatment 66371
  - \_\_\_ 12. On-site Disp. (H.S.&C.) 26189.5
  - \_\_\_ 13. Ex Haz. Waste 66570
- 
- Prevention**
- \_\_\_ 14. Communications 67121
  - \_\_\_ 15. Aisle Space 67124
  - \_\_\_ 16. Local Authority 67126
  - \_\_\_ 17. Maintenance 67120
  - \_\_\_ 18. Training 67105
- 
- Contn. Agency**
- \_\_\_ 19. Prepared 67140
  - \_\_\_ 20. Name List 67141
  - \_\_\_ 21. Copies 67141
  - \_\_\_ 22. Emg. Coord. Tmg. 67144
- 
- Containers, Tanks**
- \_\_\_ 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:**  
 The single 6,000 gal tank pit had been sampled & backfilled already by the time I arrived onsite (~9am). John Sammons said he took a bottom sample (6K tank). Large excavation was overexcavated. Sample #1 taken at 16' bgs from bottom. Soil is greenish; green starts at ~10' bgs & extends to bottom; " can be seen on sidewalk on Harrison St. Sample #2 taken from sidewalk at ~10' bgs. No more samples taken due to instability of pit. Pit was backfilled w/ imported soil. Today's stockpile from overex to be sampled at a later date. Bo Gin has agreed to do 2 borings (at each end) of large pit in lieu of further sampling today.



- I.B. TRANSPORTER (Title 22)**
- \_\_\_ 32. Applic./Insurance 66428
  - \_\_\_ 33. Comp. Cert./CHP Insp. 66448
  - \_\_\_ 34. Containers 66465
- 
- Manifest**
- \_\_\_ 35. Vehicles 66465
  - \_\_\_ 36. EPA ID #s 66531
  - \_\_\_ 37. Correct 66541
  - \_\_\_ 38. HW Delivery 66543
  - \_\_\_ 39. Records 66544
- 
- Cont'rs**
- \_\_\_ 40. Name/ Covers 66545
  - \_\_\_ 41. Recyclables 66800

Rev 6/88

Contact: BO K. GIN  
 Title: OWNER  
 Signature: [Signature]

Inspector: Jennifer Eberle  
 Signature: [Signature]





**Dennis Bates**  
**associates**  
INCORPORATED

NOVATO FIELD OFFICE, 2011 FELIZ ROAD, NOVATO, CA 94945  
(415) 892 4131  
(4150 892 1912

FACSIMILE TRANSMISSION

NUMBER FAXED TO: (510) 569 4757

DATE: 2/08/93

JOB #: ENV 1514N

TO: J. EBERLEY

FROM: J. SAMMONS

CLIENT NAME: BO K. GIN, 706 HARRISON, OAKLAND

TOTAL NUMBER OF PAGES, INCLUDING COVER SHEET: 2

{IF YOU DO NOT RECEIVE THE CORRECT NUMBER OF PAGES, PLEASE  
CALL [415] 892 4131.

MESSAGE:

1. 48 HOUR NOTIFICATION OF COMMENCEMENT OF WORK AT 706 HARRISON STREET, OAKLAND. WE ANTICIPATE BEING ON SITE AT 0700 ON 10 FEBRUARY 1993. FIRST ACTIVITIES WILL BE TO PUMP WATER FROM EXCAVATION AND SAMPLE 6000 GALLON UGT EXCAVATION AND OTHER SURFACE WORK. EXCAVATION OF AREA ADJACENT TO HARRISON STREET TO BEGIN ABOUT MID-MORNING. STREET/LANE CLOSURE PERMITS TAKEN TODAY.

PLAN IS TO COMPLETE WORK IN ONE DAY.

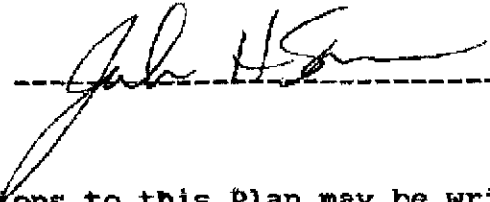
2. SIGNED COPY OF SITE SAFETY PLAN PROVIDING CONTACT NAMES AND NUMBERS.

Environmental Consulting ■ Hazardous Materials Management  
494 Alvarado St. Suite B ■ Monterey, CA 93940 ■ 408 646 0668 ■ FAX 408 646 8036

**ADDITIONAL CONTINGENCY TELEPHONE NUMBERS**

Poison Control Center ..... (800) 523-2222  
Dennis Bates Associates (Dennis Bates)..... (408) 646-0668  
Dennis Bates Associates (John Sammons)..... (415) 892-4131  
Dennis Bates (Mobile) (John Sammons)..... (415) 298-4572  
Red Horse Constructors (Mark Warner) (415) 457-8506

This Site Safety Plan has been reviewed by the following person:

DBA Project Supervisor:   
John H. Sammons

Amendments or modifications to this Plan may be written on a separate page and attached to this Plan. Any amendments or modifications must be reviewed and approved by the personnel named above.

Signatures of on-site workers:

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

Certified Mailer # P 113 815 349  
February 5, 1993  
STID 3749

Bo Gin  
288-11th St.  
Oakland CA 94607

RE: 706 Harrison St.  
Oakland CA 94607

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

Dear Mr. Gin,

We are in receipt of a letter report prepared by Dennis Bates Associates Inc., documenting site activities conducted by Miller Environmental Co. (MEC) on 9/28/92. This report was dated 1/12/93 and was signed by John Sammons, a consultant formerly with MEC. This report documents the hand augering of three borings, BH-1, BH-2, and BH-3. Non-detectable concentrations were reported for BH-3 (sample #092565). However, the laboratory report contained an error for the sample description, which was hand-written over and initialed. The chain of custody also reflected the change.

I spoke with John Sammons on 1/21/93 regarding this change. He said that the laboratory mislabeled the samples, and were responsible for the changes in the laboratory report. I then spoke with Chris Lecce of Mobile Chem Labs Inc. on 1/26/93. She said that they did not write over or initial the sample, and that they would have issued a revised page if there were an error. I again spoke with John Sammons on 1/28/93. I indicated that we cannot accept the sample results for BH-3. He indicated that he did not know what happened to BH-3, and offered to resample that excavation. This excavation was previously sampled by Tank Protect Engineering (TPE) during the tank removal on 1/17/91, and had 390 ppm TPH-g and 0.69 ppm benzene.

We are also in receipt of a "Workplan for Soil Disposal, Overexcavation, and Ground Water Monitoring Well Installation," prepared by Dennis Bates Associates, dated 1/13/93. This report states on page 2 that "records of tank removal operations are not available and that the contractor who removed the tanks and appurtenances is no longer in business." Please understand that this office does indeed have the laboratory report and site map with sampling locations from the January 1991 tank removal by TPE. In addition, we have recently received copies of the tank manifests from TPE on 1/20/93 in response to a telephone conversation between myself and Jeff Farhoomand, President of TPE on 1/14/93. Mr. Farhoomand indicated that his company is indeed in business. He also indicated that TPE never issued a tank removal report due to a dispute with the client.

Bo Gin  
STID 3749  
February 5, 1993  
page 2 of 3

This workplan is acceptable for implementation with the following understandings reached during a telephone conversation between myself and John Sammons on 2/1/93:

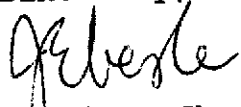
- 1) satisfactory documentation regarding the Site Safety Plan personnel will be submitted 48 hours in advance of field work
- 2) confirmatory soil samples will be obtained from the bottom and the sidewalls of the overexcavation
- 3) three monitoring wells will be installed, with one in the vicinity of the former waste oil tank, and one in the vicinity of the larger excavation for the former four 1,000-gallon USTs
- 4) the overexcavation will extend to the capillary fringe, but will not proceed below groundwater
- 5) this agency will be notified in advance (preferably 2 business days) of field activities in order to witness and confer with the consultant during field work
- 6) soil samples from the well boreholes will be collected at five foot intervals, or at changes in lithology, beginning at five feet below grade
- 7) soil samples from the well boreholes will be analyzed for TPH-gasoline and BTEX
- 8) all investigation-derived materials, such as purge water and drilling muds, must be properly stored, characterized and disposed
- 9) well borehole samples will be analyzed for organic lead by **DHS method** (not LUFT method), as per page 13 of the workplan
- 10) lead contamination in the vicinity of the dispenser near 7th St. (370 ppm TTLC) and in the waste oil tank stockpile (430 ppm TTLC) must still be addressed

I met with John Sammons and Darin Reinholdt of Dennis Bates Associates today onsite. Our intention was to perform hand augering in the excavations. We were not able to do this since the excavation for the single 6,000-gallon tank contained water. We opted not to hand auger the other, larger excavation since it has to be overexcavated anyway. We hope to schedule a date for overexcavation and resampling very soon.

Bo Gin  
STID 3749  
February 5, 1993  
page 3 of 3

If you have any questions, please contact me at 510-271-4530.

Sincerely,



Jennifer Eberle  
Hazardous Materials Specialist

cc: John Sammons, Dennis Bates Associates, 494 Alvarado St.,  
Suite B., Monterey CA 93940  
Jeff Farhoomand, Tank Protect Engineering, 2821 Whipple  
Rd., Union City CA 94587-1233  
Chris Lecce, Mobile Chem Labs, 5021 Blum Rd., Suite 3,  
Martinez CA 94553  
Gil Jensen, Alameda County District Attorney Office  
Rich Hiett, RWQCB  
Ed Howell/file *EBA*

je

P 113 815 349



**Receipt for  
Certified Mail**

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

(JE)

#3749

Sent to	<b>Bo Gin</b>
Street and No.	<b>288 11th St.</b>
P.O., State and ZIP Code	<b>Oakland CA 94607</b>
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



# MOBILE CHEM LABS INC.

5021 Blum Road, Suite 1 • Martinez, CA 94553  
Phone (510) 372-3700 • Fax (510) 372-6955

## FACSIMILE COVER SHEET

DATE: 1-28-93

TIME: 10:45 AM

TO: Janet Eberle

FROM: Brian Scherler

Mobile Chem Labs, Inc. - Martinez Office

NUMBER OF PAGES INCLUDING COVER SHEET: 2

COMMENTS: Chain of Custody in question  
OAKLAND AUTO

SHOULD YOU HAVE ANY PROBLEMS IN RECEIVING THIS FAX, PLEASE DO NOT  
HESITATE TO CALL US AT THE ABOVE NUMBER.

# ROBERT CHAMBERS INC.

5021 Santa Teresa Street, Suite 3 • Martinez, CA 94553  
Phone (415) 572-5700 • Fax (415) 572-5755

# 092565

## CHAIN OF CUSTODY

CLIENT: J. S. [unclear] DATE/TIME OF COLLECTION: 9/22/92 - 0900 TURN/LOAD TIME: N/A

SAMPLE DESCRIPTION AND PROJECT NUMBER: Soil  
Oakland Auto

SAMPLE #	ANALYSIS	092	GRAB OR COMP.	NUMBER OF CONTAINERS	SOIL/WATER
BH1-3'	TPHG-BTEX	565	Grab	1	Soil
BH1-5'	TPHG-BTEX	566	Grab	1	Soil
BH1-6'	TPHG-BTEX	567	Grab	1	Soil
BH1-10'	TPHG-BTEX	568	Grab	1	Soil
SP1	TPHG-BTEX	569	Grab	4	Soil
SP3	TPHG-BTEX/TOG	570	Grab	2	Soil
SP2A	TPHG-BTEX	571	Grab	4	Soil
SP2B	TPHG-BTEX	572	Grab	4	Soil

RELINQUISHED BY*	TIME/DATE	RECEIVED BY*	TIME/DATE
<u>Jill H. [unclear]</u>	<u>1425/9/25/92</u>	<u>Darin J. Reinholdt</u>	
<u>Darin J. Reinholdt</u>	<u>9/22/92</u>	<u>C. Picca</u>	<u>9/28/92</u>
3.			
4.			

\* STATE AFFILIATION NEXT TO SIGNATURE

REMARKS:  
D Composite 4 to 1  
2 Composite 2 to 1  
7 Composite 4 to 1



# Miller Environmental Company, Inc.

Engineering • Geology • Construction

2 October 1992

Mr. Thomas F. Peacock  
Alameda County Health Services Agency  
UST Local Oversight Program  
80 Swan Way, Room 200  
Oakland, CA 94621

Reference: STID 3794

3749

Dear Mr. Peacock:

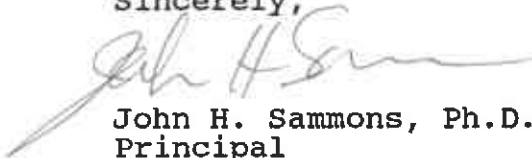
This is to inform you that the Miller Environmental Company, Inc. (MEC) has been retained by Mr. Bo Gin, Oakland Auto Parts and Tires to prepare the Workplan as required by your letter of September 17, 1992.

AS we discussed this week we have done some exploratory hand augering in the existing excavations and are awaiting the results from the laboratory which we expect by the end of next week. We also collected 4 samples from each 50 cubic yards of soil stockpiled on site which will be composited 4 to 1 for each 50 cubic yards of soil.

Once these results are available and analyzed we will prepare the requested Workplan and submit it to you for your approval prior to initiating any additional work at the site.

MEC will make every effort to meet the 30 day timetable. In any case, you will have the workplan in hand no later than 1 November 1992.

Sincerely,

  
John H. Sammons, Ph.D.  
Principal

CC: R. Hiett, SFBRWQCB  
Mr. Bo Gin  
file

Post-It™ brand fax transmittal memo 7671 # of pages ▶

To	Jay Jacobs	From	Jennifer Eberle
Co.		Co.	Alameda County
Dept.		Phone #	
Fax #		Fax #	



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

September 17, 1992  
STID 3749

Oakland Auto Parts & Tires  
ATTN: Bo Gin  
288 - 11th St.  
Oakland, CA 94607

Re: 706 Harrison St., Oakland, CA 94612

Dear Bo Gin:

This office has reviewed the Results for Preliminary Subsurface Site Investigation (undated but assumed to be after Dec. 11, 1991) by Tracy Bennett. Although the report contains no conclusions or recommendations the results certainly indicate that a groundwater investigation is required.

I have enclosed the document, Workplan for Initial Subsurface Investigation, a guidance document published by the Regional Water Quality Control Board (RWQCB).

You should consider this a formal request for technical reports pursuant to the California Water Code Section 13267 (b). [Please submit a workplan for a groundwater investigation as described in the above document to this office within thirty (30) days of this letter.] All workplans, analytical results or reports should be sent to our office and to that of the RWQCB to the attention of Mr. Rich Hiatt. Their address is 2101 Webster St., Fourth Floor, Oakland CA 94612. Be aware that failure to submit the requested documents may subject you civil liabilities.

If you have any questions please call this office at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script that reads "Thomas F. Peacock".

Thomas F. Peacock, Supervising HMS  
Hazardous Material Division

cc: R. Hiatt, RWQCB  
Edgar Howell, Chief - Files  
enclosures

*Handwritten note:* 10/15/92 based file downstairs JTB

DATE: 3/4/92

RO484

TO : Local Oversight Program

FROM: RON OWCARZ

SUBJ: Transfer of Eligible Oversight Case

Site name: OAKLAND AUTO PARTS + TIRES (Bo Gin Property)

Address: 706 Harrison St, city Oakland zip 94612

Closure plan attached?  Y  N DepRef remaining \$ 110.25

DepRef Project # 1048 STID #(if any) 3749

Number of Tanks: 7 removed?  Y  N Date of removal 1/17/90

Leak Report filed?  Y  N (2) Date of Discovery 1/17/90

Samples received?  Y  N Contamination: Soil

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

Monitoring wells on site 0 Monitoring schedule? Y  N

Briefly describe the following:

Preliminary Assessment NA

Remedial Action soil evacuation + aeration?

Post Remedial Action Monitoring may need MWS

Enforcement Action they need to submit work plan addressing soil contamination

Comments: High lead contamination noted in soil, ~~soil~~ soil under piping also needs to be sampled. Owner claims discrepancies in lab results.

Site Brief for U N D E R G R O U N D T A N K S  
for the City of Livermore

as of 12/27/91  
pg 3

UTID/ Status BillID	Name of Site	Site Address	#Tanks	PERMITS:
	E Meadowlark Field	4300 Greenville Rd. Livermore, CA 94550	1	I: F:
	F Arthur Reinstein	8201 Highland Rd. Livermore, CA 94550	2	I: F:
	R Open Diamond Ranch	9055 Highland Rd. Livermore, CA 94550	0	I: F:
T41023	C Flying J Gasoline	160 Holmes St. Livermore, CA 94550	4	I:05/27/88 F:
T31039	R Allan Hyne	792 S. I St. Livermore, CA 94550	0	I:03/23/88 F:
T21065	R Associated Concrete Prod.	1901 Isabel Ave. Livermore, CA 94550	0	I: F:
T12038	C Associated Electronics Co	233 Junction Ave. Livermore, CA 94550	1	I:02/02/90 F:
2008 TC1206	R Silver Metal Products Inc	2150 Kitty Hawk Rd. Livermore, CA 94550	0	I:01/05/90 F:
T31025	R Groth Bros. Oldsmobile, I	59 S. L St. Livermore, CA 94550	0	I:03/07/88 F:
	R Livermore Auto Exchange	174 L St. Livermore, CA 94550	0	I: F:
T41047	C Arrow Rentals	187 N. L St. Livermore, CA 94550	1	I:04/13/88 F:
T31061	C L Street Car Wash	220 N. L St. Livermore, CA 94550	3	I:04/01/88 F:
3365 51059	C Desert Petroleum	277 N. L St. Livermore, CA 94550	4	I:04/15/88 F:
TA1039	C Corporation Yard	2801 Ladd Ave. Livermore, CA 94550	1	I:10/29/87 F:
TA1038	C ARA Transportation	2900 Ladd Ave. Livermore, CA 94550	3	I:10/23/87 F:
	R U.S. Waste Oil Corp	7453 Lavender Ave. Livermore, CA 94550	0	I: F:
	N Raymond Lewis	7505 Lavender Ave. Livermore, CA 94550	2	I: F:
2319 T42312	R J. C. Steel & Gunito Co.	7573 Lavender Ave. Livermore, CA 94550	0	I:06/21/89 F:
T61111	C Livermore Auto & Tire	167 S. Livermore Ave. Livermore, CA 94550	1	I:10/31/89 F:
T61043	C Arco Facility #00498	286 S. Livermore Ave. Livermore, CA 94550	3	I:09/06/88 F:
TB1121	C Shell#204-4380-0394	318 S. Livermore Ave. Livermore, CA 94550	4	I: F:
	R Clifford A. Bates	887 S. Livermore Ave. Livermore, CA 94550	0	I: F:
CB1033	R Unocal Station #4667	900 S. Livermore Ave. Livermore, CA 94550	0	I: F:
	R Bud's Backhoe Service	2060 S. Livermore Ave. Livermore, CA 94550	0	I: F:
TB1055	R Fallout Shelter	2300 N. Livermore Ave. Livermore, CA 94550	0	I: F:
	R Jensen Ranch	2747 N. Livermore Ave. Livermore, CA 94550	0	I: F:
	R Leland E. Stanley	4270 N. Livermore Ave. Livermore, CA 94550	0	I: F:

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Division  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(510) 271-4320

March 4, 1992

Mr. Bo Gin  
288 11th Street  
Oakland, CA 94607

Re: Contamination at 706 Harrison Street, Oakland, CA 94612

Dear Mr. Gin:

This letter memorializes a recent telephone conversation we had discussing Alameda County Environmental Health Department, Hazardous Materials Division's procedure regarding the closure of underground storage tanks.

As discussed, pipe line samples are a mandatory part of the tank closure process, samples are required beneath each 20 lineal feet of piping.

According to the Tri-Regional Board Staff Guidelines for Preliminary Evaluation and Investigation of Underground Tank Sites (8/10/90) "in areas where obvious contamination are observed, they are to be sampled". However, I do not recall requesting additional sampling at the time of the tank removals.

If you have additional questions regarding the tank closure process or other requirements for addressing contamination at the site please do not hesitate to call me at (510) 271-4320.

Sincerely,

Paul M. Smith  
Hazardous Materials Specialist

cc:

Tracy Bennett, Consolidated Technologies  
Eddy So, SFRWQCB  
Gil Jensen, Alameda County District Attorney's Office of  
Consumer and Environmental Affairs

Thurs 2/27/92  
to G- is requesting that a  
write letter.

saying that

- 1) Piping removal is a <sup>mandatory</sup> necessary  
part of west closure process
- 2) Additional tests were not  
required -

Initial test were specified in  
County closure plan.

288 11th St

Oakland 94607

763-2096

# 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 I 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 01/10/92		CASE #		SIGNED: <i>Paul M. Smith</i> DATE: 1/8/92	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Paul M. Smith		PHONE (510) 271-4320		SIGNATURE <i>Paul M. Smith</i>
	REPRESENTING <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME Alameda County Hazardous Materials Division		
	ADDRESS 80 Swan Way Rm 200 Oakland CA 94621				
RESPONSIBLE PARTY	NAME BO Gin		CONTACT PERSON Bo Gin		PHONE (510) 763-2096
	ADDRESS 706 Harrison Street Oakland CA 94607				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Former service station (vacant lot)		OPERATOR		PHONE ( )
	ADDRESS 706 Harrison St. Oakland, CA Alameda 94607				
	CROSS STREET 7th & Harrison				
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Env. Health. Haz. Mat. Div.		CONTACT PERSON Paul M. Smith		PHONE (510) 271-4320
	REGIONAL BOARD SFRWQCB		CONTACT PERSON Eddy So		PHONE (510) 464-4366
SUBSTANCES INVOLVED	(1) NAME Total Petroleum Hydrocarbons as gasoline		QUANTITY LOST (GALLONS) <input type="checkbox"/> UNKNOWN		
	(2) NAME Lead		<input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 01/17/92		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <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		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO    IF YES, DATE				
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 <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 checked="" type="checkbox"/> NO ACTION TAKEN <input 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				
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (BT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input checked="" type="checkbox"/> OTHER (OT) <u>need to submit work plan addressing contamination</u>				
COMMENTS	samples collected at tank removal indicated TPHg levels as high as 9400 ppm lead levels as high as 370 ppm				

February 1, 1992

Contractor State License Board  
1700 Broadway, 2nd Floor  
Oakland, CA 94612

Dear Sir or Madam:

This is a complaint filed against Tank Protect Engineering of Union City, CA. The complaint is leveled in two parts, the first regards questionable ground sampling (required by government agencies) and the second regarding failure to complete the job correctly and additional charges to contract estimates.

The site located at 706 Harrison St. in Oakland, CA was a gas station which is now closed. Original ground sampling in 1988 by Frank Lee & Associates showed little contamination from the already empty underground tanks (See Appendix 1). In January, 1991, during excavation of said tanks, Tank Protect Engineering took samples which showed extremely different results (See Appendix 2). A third sampling in December, 1991 by Consolidated Technologies curiously showed results more similar to those of the original sampling in 1988 (See Appendix 3). This third sampling was witnessed by Paul Smith from the Alameda County Environmental Health (ACEH) Hazardous Materials Division (a detailed itinerary of this sampling can be provided if necessary).

Previous to the third sampling in December, 1991, four environmental specialist companies were asked to view the sight to give estimates for resampling and clean-up. Each individual stated that the results of the supposed contamination (i.e. 9,400 ppm at one location) were not consistent with what they experienced at the sight-contamination at such levels would result in noticeable fumes (2-3 block area). The lack of odor was also stated by Joe Madison of Pacific Excavator, the subcontractors who actually performed the excavation.

Relative to this point are:

- The point at which the highest level of contamination was found, very little lead was found although this tank was always used for leaded gasoline.

- Five of eight samples in which Tank Protect Engineering found high contamination levels showed no levels of lead contamination, inconsistent with tanks which were used to hold leaded gasoline (See Appendix 4 (map)).

- The sample with the highest contamination level of 9,400 ppm was directly next to a sample of which virtually no contamination was found.

- Why Tank Protect Engineering chose to cover supposed contaminated areas with plastic and then proceed to backfill the holes with dirt and concrete before results were returned from the sampling lab and before approval by regulatory agencies?

My employee and I, only after being provided with information from the excavator, Joe Madison, were able to dig through the backfill to find the plastic covering hiding the supposedly contaminated soil.

### Contract Complaints

The following is a list of complaints regarding the failure of Tank Protect Engineering to correctly complete the job and what is essentially bad-faith dealing in writing the contract for the project (See Appendix 5).

Failure to remove underground tank pipes (mandated by state and local government agencies)

Failure to remove water and utility gas lines and utility poles as part of demolition of the building.

Performed extraneous samples not required by government agencies (per Paul Smith of Alameda County Environmental Health Hazardous Materials Division) which were added to invoice. Mr. Zomorodi led me believe that any additional testing would be made only if contamination were found per the statement on page three (Appendix 5/page 3/indented paragraph).

Charged for waste oil samples contradictory to additions to contract (handwritten and initialed on original contract) made by Mr. Zomorodi (See Appendix 5/page 1).

Mr. Zomorodi viewed the site before writing the proposal for a total of \$19,780. He knew that the four 1000 gallon tanks that were to be excavated were under the sidewalk, yet on page three of the contract under "Additional expenses incurred because of contamination or unusual encumbrances...", he includes a statement about sidewalk excavation being extra in a such case. Mr. Zomorodi and Tank Protect used this clause to charge me an additional \$775 for sidewalk permits and processing which he led me to believe was included in the "total" price as stated on page one of the contract: "Obtain the necessary permits to do the work" (See Appendix 5/page 1).



Lastly, I have contacted a lawyer to represent me in dealing with Tank Protect Engineering. I have enclosed the correspondence as to date (See Appendix 6).

If you need additional information regarding this complaint, I can be reached at (510) 763-2097 during normal business hours.

Sincerely,

Bo K. Gin

enclosures

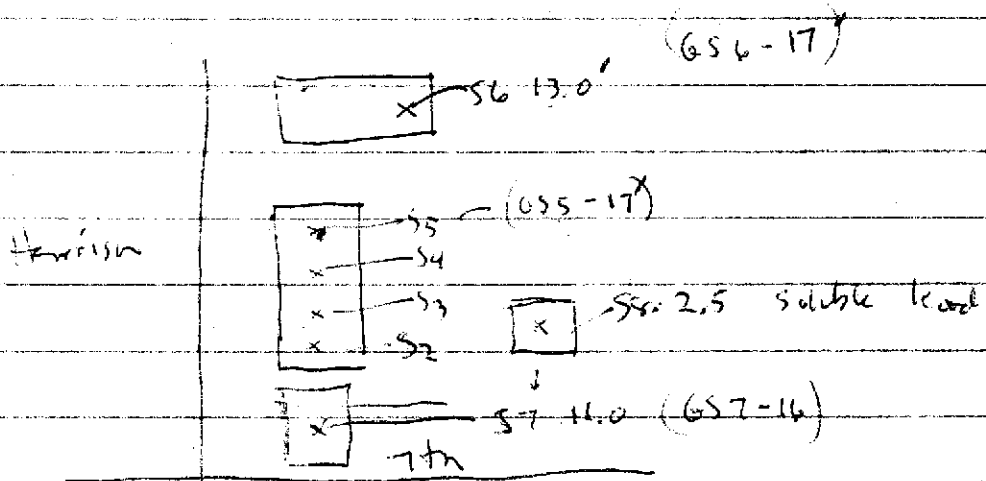
12-12-91 ~~Dec 17 91~~

# Consolidated Technology

12/12/91

Re-sample at 706 Harrison

4 Samples taken from inner excavation containing  
4 tanks which were perpendicular to Harrison



Sample S2 had slight aroma  
 11-11.5 foot depth { S3 slight gas smell  
 S4 - had gas smell  
 S5 smelled pretty strong of gasoline  
 rec. sample for total Pb

Sample S6 at 13.0' appeared to have no obvious odor  
however when excavation was continued to 17' a slight odor was  
observed.

Sample S7 at 11.0' no odor at 17' distinct odor

arrive 3:00 off site 5:30

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)

October 3, 1991

Mr. Bo Gin  
288 11th Street  
Oakland, CA 94607

**Re: Contamination at 706 Harrison Street, Oakland, CA 94612**

Dear Mr. Gin:

Alameda County Environmental Health Department, Hazardous Materials Division has received and reviewed the Work Plan for Preliminary Subsurface Site Investigation prepared by Consolidated Technologies.

The initial laboratory analysis from samples taken during the removal of the 7 underground storage tanks at the above site on January 17, 1991 indicated contamination levels of Total Petroleum Hydrocarbon (TPH) as high as 9400 ppm, and Benzene levels as high as 17 ppm in the soil samples taken from beneath the former tanks.

The Work Plan proposes to excavate in eight areas in order to confirm analyses performed during the tank removals. Excavation is proposed in each of the former tank locations where initial contamination was detected to an additional depth of three to five feet and then to collect a confirmatory sample.

There is some question as to whether the limited amount of excavation proposed in the Work Plan adequately addresses the removal of all possible soil contamination.

The Work Plan will be approved upon written confirmation of the following conditions:

- 1) You are required to excavate or to treat all soil which poses a potential source of groundwater contamination. If contamination is determined to exceed the proposed excavation depth of three to five feet then you are required to deal with this problem appropriately.
- 2) You are requested to specify methods proposed to characterize all stock piled soils from each excavated area. You are requested to specify the analytical tests necessary to properly characterize this material for either on site treatment or disposal.
- 3) The initial results of stockpiled samples collected from the former waste oil tank area contained levels of lead as high as 430 ppm. Based upon these levels, you are required to determine the soluble threshold limit concentration (stlc) by laboratory analysis. The stlc will determine that portion of lead which is water soluble.

Mr. Gin  
October 3, 1991  
page 2 of 2

4) You are required to have your consultant specify the site security measures employed in securing the area following excavation and during the two week interval when laboratory results are pending.

5) You are required to cover all stock piled soils with visqueen until a permit to aerate is obtained from the Bay Area Air Quality Management District (BAAQMD).

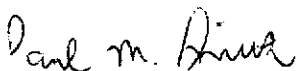
**you are requested to address the above issue within 15 days of the receipt of this letter or by October 21, 1991.**

Finally, prior to initiating work at the above site you are requested to provide this office with advanced notification as to when the work will be conducted on site so that if possible a representative from this office can be present when the work is being performed at the site.

Please be advised that the above Work Plan only addresses the soil contamination phase of the remediation effort at the above site once soil has been adequately addressed it will then be necessary to determine if any impact to groundwater has occurred.

If you have any questions regarding the content of this letter please contact me at (510) 271-4320.

Sincerely,



Paul M. Smith  
Hazardous Materials Specialist

cc:

Tracy Bennett, Consolidated Technologies  
Lester Feldman, SFRWQCB  
Charlene Williams, DHS  
Gil Jensen, Alameda County District Attorney's Office of  
Consumer and Environmental Affairs

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)

May 20, 1991

Mr. Bo Gin  
288 11th Street  
Oakland, CA 94607

**Re: Contamination at 706 Harrison Street, Oakland, CA 94612**

Dear Mr. Gin:

Alameda County Environmental Health Department, Hazardous Materials Division has received and reviewed the workplan for Preliminary Subsurface Investigation dated 4/22/91 proposed by Frank Lee and Associates.

The workplan proposes to drill 8 soil borings in the locations of the former underground storage tank excavations. The borings will confirm the vertical presence of petroleum contamination beneath of these areas. The workplan as proposed is hereby approved. However you are requested to also delimit the lateral extent of the soil contamination at the above site and to investigate whether there has been impact to groundwater. **Please provide a workplan specifying proposed activity to determine the lateral and vertical extent of soil contamination, to define the hydraulic gradient, and to determine water quality within 60 days of the receipt of this letter.**

You are also requested to provide this office with copies of the hazardous waste manifests for the disposal of the 8 underground storage tanks which were removed from the above site. *not 7?*

Prior to installing the proposed borings you are requested to provide this office with advanced notification as to when the work will be conducted on site.

If you have any questions please contact me at 415 271-4320.

Sincerely,

Paul M Smith  
Hazardous Materials Specialist

cc:

Frank Lee, Frank Lee & Associates  
Lester Feldman, SFRWQCB  
Charlene Williams, DHS  
Gil Jensen, Alameda County District Attorney's Office of  
Consumer and Environmental Affairs  
Rafat A. Shahid, Assistant Agency Director, Alameda County  
Environmental Health Department  
File

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Program

80 Swan Way, Rm. 200

Oakland, CA 94621

(415)

March 19, 1991

Certified Mailer # P 062 128 296

Mr. Bo Gin  
288 11th Street  
Oakland, CA 94607

**Re: Contamination at 706 Harrison Street, Oakland, CA 94612**

Dear Mr. Gin:

Alameda County Environmental Health Department is in receipt of the laboratory analysis from samples taken during the removal of the 7 underground storage tanks at the above site on January 17, 1991.

The laboratory results indicated contamination levels of Total Petroleum Hydrocarbon (TPH) as high as 9400 ppm, and Benzene levels as high as 17 ppm in the soil samples taken from beneath the former tanks. *SL*

**You are requested to submit a workplan proposal to address the investigative and mitigative procedures chosen within 45 days of the receipt of this letter.**

Alameda County Environmental Health Department, Hazardous Materials Division has currently been delegated authority from the San Francisco Regional Water Quality Control Board (RWQCB) to oversee a large number of remediation cases within Alameda County. Therefore, we will be the lead contact agency for the oversight duties with regard to this case.

All work must be performed according to RWQCB documents:

Leaking Underground Fuel Tank Field Manual revised October 1989

Tri-Regional Board Staff recommendations for Initial Evaluation and Investigation of Underground Storage Tanks 2 June 1988, revised 10 August 1990.

Appendix A of the Tri-Regional Recommendations (see enclosure)

Copies of this documents can be obtained by calling the SFRWQCB data management group at 464-1269. Please note the LUFT manual as a whole has not been adopted by the SFRWQCB.

According to the Tri-Regional recommendations, when contamination to soil of either TPH or Oil and Grease (O&G) exceeding 100 ppm are encountered a groundwater investigation is required. You are required to install monitoring wells in order to determine the impact to groundwater and also in order to determine the hydraulic gradient.

Mr. Gin  
March 19, 1991  
Page 2 of 2

The work plan must be prepared by CA-Certified Engineering Geologist, CA-Registered Geologist or a CA-Registered Civil Engineer and should include a proposal to identify and address subsurface contamination. It should include but shall not be limited to a depiction of the proposed locations for monitoring well installations and a sampling plan including sampling type and frequency. The workplan proposal must also address existing soil contamination onsite.

The technical report should be submitted with a cover letter from the environmental professional you have chosen to oversee the subsurface contamination and must be received in this office by the established due date. The letter must be signed by a principal executive officer or by an authorized representative of that person.

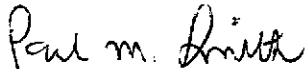
All proposals, reports and analytical results pertaining to this investigation and remediation must be sent to our office and to:

Lester Feldman  
Regional Water Quality Control Board, San Francisco Bay Region  
1800 Harrison Street, Suite 700  
Oakland, California 94612  
(415) 464-1255

You should be aware that this Division is working in conjunction with the SFRWQCB and that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b).

Should you have any questions pertaining to any of the above requests please contact me at 415/ 271-4320.

Sincerely,



Paul M. Smith  
Hazardous Materials Specialist

cc:

Lester Feldman, SFRWQCB  
Charlene Williams, DHS  
Gil Jensen, Alameda County District Attorney's Office of  
Consumer and Environmental Affairs  
Rafat A. Shahid, Assistant Agency Director, Alameda County  
Environmental Health Department

File

1.9.

P 062 128 296

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, June 1983

Sent to	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restriction Delivery Fee	
Return Receipt showing to whom and when it was delivered	
Return Receipt showing to whom, date and address of delivery	
TOTAL Postage and Fees	\$
Postmark or Date	



white -env.health  
 yellow -facility  
 pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name BD-Gin (7 Tank pull) Today's Date 1/17/94  
 Site Address 706 Harrison St EPA ID# \_\_\_\_\_  
 City Oakland Zip 94612 Phone \_\_\_\_\_

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

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

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

<b>I.A GENERATOR (Title 22)</b>		
Manifest	1. Waste ID	66471
	2. EPA ID	66472
	3. > 90 days	66508
	4. Label dates	66508
	5. Biennial	66493
Manifest	6. Records	66492
	7. Correct	66484
	8. Copy sent	66492
	9. Exception	66484
	10. Copies Rec'd	66492
Misc.	11. Treatment	66371
	12. On-site Disp. (H.S.&C.)	26189.5
	13. Ex Hatz. Waste	66570
Prevention	14. Communications	67121
	15. Aisle Space	67124
	16. Local Authority	67126
	17. Maintenance	67120
	18. Training	67105
Compliance	19. Prepared	67140
	20. Name List	67141
	21. Copies	67141
	22. Emg. Coord. Trng.	67144
Containers, Tanks	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
	<b>I.B TRANSPORTER (Title 22)</b>	
Manifest	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
	36. EPA ID #s	66531
	37. Correct	66541
	38. HW Delivery	66543
	39. Records	66544
Con't's	40. Name/ Covers	66545
	41. Recyclables	66800

**Comments:** Trucker Jack Parker CAC 000027709 → Erickson

1 (1) 6000 gal gas tank appears to be in good shape corner of 7th & Harrison

2 (1) 6000 gal UST fuel tank - good shape 4513 SIN

3 (1) 100 gal waste oil tank in good shape however outside S2M, S2S appeared rusty - tank contained only sludge 1 was ruptured & upon removal

4 (1) 1000 gal UST - good shape old style lip on each end of tank S3N S3S

5 (1) 1000 S4S, S4N

6 (1) 1000 Good shape S5S, S4N

7 (1) 1000 S6W, S6E

(1) 6000 gal UST corner of 7th & Harrison

Pump island IAS IIN 2 Samples

waste oil stockpile SPWO-1 - 4

6000 solitary tank stockpile Spp 1-4

1:20pm onsite  
 5:30pm offsite

Rev 6/88

Contact: \_\_\_\_\_  
 Title: \_\_\_\_\_ Inspector: Paul Smith  
 Signature: \_\_\_\_\_ Signature: \_\_\_\_\_

100 gal tank from  
③

6K  
①

Samples  
Smelled  
bad

1K

1K

1K

1K

④

Fill ends

6K

②

TH

Harrison



8. Contact Person for Investigation

Name BO GIN Title OWNER  
Phone 763-2096

9. Total No. of Tanks at facility 7

10. Have permit applications for all tanks been submitted to this office? Yes [] No []

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name ERICKSON, Inc. EPA I.D. No. CAD009466392  
Address 255 Parr Blvd.  
City Richmond State CA Zip 94801

b) Rinsate Transporter

Name N/A EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

c) Tank Transporter

Name ERICKSON, Inc. EPA I.D. No. CAD009466392  
Address 255 Parr Blvd.  
City Richmond State CA Zip 94801

d) Tank Disposal Site

Name ERICKSON, Inc. EPA I.D. No. CAD009466392  
Address 255 Parr Blvd.  
City Richmond State CA Zip 94801

e) Contaminated Soil Transporter

Name N/A EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

12. Sample Collector

Name Lyle Travis  
 Company Tank Protect Engineering  
 Address 2821 Whipple Rd.  
 City Union City State CA Zip 94587 Phone (415) 989-8088

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
1. 1000 gallon	gasoline	soil, 2 sample	maximum of 2 feet below tank pit
2. 1000 gallon	gasoline	" 2 "	" "
3. 1000 gallon	gasoline	" 2 "	" "
4. 1000 gallon	gasoline	" 2 "	" "
5. 6000 gallon	gasoline	" 2 samples	" "
6. 6000 gallon	gasoline	" 2 samples	" "
7. 100 gallon	Waste Oil	" 1 sample	" "

one sample will be collected every 20 linear feet of piping

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

If yes, describe. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

15. NFPA methods used for rendering tank inert? Yes [ ] No []

If yes, describe. Dry ice 15 lb per each 1000 gallon capacity for each tank

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Sequencia Analytical  
 Address 680 Chesapeake Drive  
 City Redwood City State CA Zip 94063  
 State Certification No. 145

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Tank 1,2,3,4,5,6 (gasoline)  TPH G benzene, toluene, xylene, ethylbenzene	5030 8020 or 8240 Pb inorganic	GC FID (DHS method) 8020 or 8240
Tank 7 (waste oil)  TPH G TPH D O&G BTX&E CLHC many of the above detected for: Cadmium, chrome, lead, zinc PCB, PCP, PNA, Cresosote	5030 3550 503 D&E 8020 or 8240 8010 or 8240	GC FID (DHS method) GC FID (DHS method) Standard method 503 D&E 8020 or 8240 8010 or 8240 AA or ICAP 8270

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [] No []

Copy of Certificate enclosed? Yes [] No []

Name of Insurer State Compensation Insurance Fund.

20. Plot Plan submitted? Yes [] No []

21. Deposit enclosed? Yes [] No []

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

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 and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. 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.

Signature of Contractor

Name (please type) Tank Protect Eng  
Signature Juan Fernandez  
Date 6-27-90

Signature of Site Owner or Operator

Name (please type) \_\_\_\_\_  
Signature Bob Larkin  
Date 6-18-90

TANK PROTECT ENGINEERING OF NORTHERN CALIFORNIA, INC.  
SITE SAFETY PLAN

Site 706 Harrison St. Project Number \_\_\_\_\_

Original Site Safety Plan: Yes ( ) No ( ) Revision Number \_\_\_\_\_

Plan Prepared by Tank Protect Engr. Date \_\_\_\_\_

Plan Approved by \_\_\_\_\_ Date \_\_\_\_\_

Please respond to each item as completely as possible. Where an item is not applicable, please mark "N/A".

1. KEY PERSONNEL AND RESPONSIBILITIES

(Include name, telephone number and health and safety responsibilities; i.e., project manager - Joe Smith - responsible for supervision of all site activities.)

Project Manager Lyle Travis

Site Safety Manager Lyle Travis

Alternate Site Safety Manager Alan Kajari

Field Team Members Lyle Travis

Alan Kajari

Agency Reps: (Please specify by one of the following symbols:  
Federal: (F), State: (S), Local: (L),  
Contractor(s): (C)

Oakland Fire department rep.

Alameda County dep. of health Service rep.



TPE SITE SAFETY PLAN

2. JOB HAZARD ANALYSIS

2.1 OVERALL HAZARD EVALUATION

Hazard Level: High (✓) Moderate ( ) Low ( ) Unknown ( )

Hazard Type: Liquid ( ) Solid ( ) Sludge (✓) Vapor/Gas ( )

Known or suspected hazardous materials present on site

~~See below, gasoline vapor contains benzene  
Toluene, xylene, ethylbenzene~~

Characteristics of hazardous materials included above  
(complete for each chemical presents):

<b>MATERIAL #1</b>	Corrosive ( )	Ignitable (✓)	Toxic (✓)
	Reactive ( )	Volatile (✓)	Radioactive ( )
	Biological Agent ( )	<i>Gasoline</i>	
Exposure Routes:	Inhalation ( )	Ingestion ( )	Contact (✓) <i>skin/mucous membrane</i>
<b>MATERIAL #2</b>	Corrosive ( )	Ignitable ( )	Toxic (✓)
	Reactive ( )	Volatile ( )	Radioactive ( )
	Biological Agent ( )	<i>waste oil</i>	
Exposure Routes:	Inhalation ( )	Ingestion ( )	Contact (✓)
<b>MATERIAL #3</b>	Corrosive ( )	Ignitable ( )	Toxic ( )
	Reactive ( )	Volatile ( )	Radioactive ( )
	Biological Agent ( )		
Exposure Routes:	Inhalation ( )	Ingestion ( )	Contact ( )
<b>MATERIAL #4</b>	Corrosive ( )	Ignitable ( )	Toxic ( )
	Reactive ( )	Volatile ( )	Radioactive ( )
	Biological Agent ( )		
Exposure Routes:	Inhalation ( )	Ingestion ( )	Contact ( )

TPE SITE SAFETY PLAN

2.2 JOB-SPECIFIC HAZARDS

For each labor category specify the possible hazards based on information available (i.e., Task-driller, Hazards-trauma from drill rig accidents, etc.) For each hazard, indicate steps to be taken to minimize the hazard.

~~Task Tank Removal; Hazard - Gasoline Vapor explosion - To Minimize use 15 lb dry ice per 1000 gallon capacity to inert vapor present in the tank.~~

The following additional hazards are expected on site (i.e., snake infested area, extreme heat, etc.):

---

---

---

Measures to minimize the effects of the additional hazards are:

---

---

---

3. MONITORING PLAN

3.1 (a) Air Monitoring Plan

Action levels for implementation of air monitoring. Action levels should be based on published data available on contaminants of concern. Action levels should be set by persons experienced in industrial hygiene.

Level (i.e., .5ppm)	Action Taken (i.e., commence perimeter monitoring)
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

N/A

TPE SITE SAFETY PLAN

(b) Air Monitoring Equipment

Outline the specific equipment to be used, calibration method, frequency of monitoring, locations to be monitored, and analysis of samples (if applicable).

\_\_\_\_\_  
\_\_\_\_\_  
N/A  
\_\_\_\_\_

If air monitoring is not to be implemented for this site, explain why:

~~This case involves only tank removal~~  
\_\_\_\_\_  
\_\_\_\_\_

3.2 Personnel Monitoring  
(Include hierarchy of responsibilities decision making on the site)

~~Safety officer advises field manager which in turn delegates responsibilities to individual~~  
\_\_\_\_\_

3.3 Sampling Monitoring

(a) Techniques used for sampling \_\_\_\_\_

~~I insert a probe inside the tank to determine H<sub>2</sub>S and oxygen level.~~  
\_\_\_\_\_

TPE SITE SAFETY

(b) Equipments used for sampling \_\_\_\_\_

*Gastech model 1314*

*1- Hydrocarbon super surveyor*

*2- Brass deene and sampler with hammer*

(c) Maintenance and calibration of equipments \_\_\_\_\_

*use hexane for calibration, Equipment*

*will be calibrated prior to the operation*

4. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Equipment used by employees for the site tasks and operations being conducted. Be Specific (i.e., hard hat, impact resistance goggles, other protective glove, etc.).

*Hard hat, protective gloves*

5. SITE CONTROL AND SECURITY MEASURES

The following general work zone security guidelines should be implemented:

- Work zone shall be barricaded and caution tape used.
- Excavations shall be closed when drilling and sampling activities are not actually taking place.
- No excavations shall be left unattended. Visitors will not enter the work zone unless they have attended a project safety briefing.
- Persons will not leave the work zone without first passing through the decontamination zone.

## TPE SITE SAFETY PLAN

### 6. DECONTAMINATION PROCEDURE

List the procedures and specific steps to be taken to decontaminate equipment and PPE.

\_\_\_\_\_  
N/A  
\_\_\_\_\_

### 7. TRAINING REQUIREMENTS

Prior to mobilization at the job site, employees will attend a safety briefing. The briefing will include the nature of the wastes and the site, donning personal protection equipment, decontamination procedures and emergency procedures.

### 8. MEDICAL SURVEILLANCE REQUIREMENTS

If any task requires a very high personnel protection level, personnel shall provide assurances that they have received a physical examination and they are fit to do the task. Also personnel will be instructed to look for any symptom of heat stress, heat stroke, heat exhaustion or any other unusual symptom. If there is any report of that kind it will be immediately followed through, and appropriate action will be taken.

### 9. STANDARD OPERATION PROCEDURES

Tank Protect Engineering of Northern California Inc. is responsible for the safety of all Tank Protect Engineering of Northern California Inc. employees on site. Each contractor shall provide all the equipment necessary to meet safe operation practices and procedures for their personnel on site and be responsible for the safety of their workers.

A " Three Warning " system is utilized to enforce compliance with Health and Safety procedures practices which will be implemented at the site for worker safety:

- \* Eating, drinking, chewing gum or tobacco, and smoking will be allowed only in designated areas.

**TPE SITE SAFETY PLAN**

- \* Wash facilities will be utilized by workers in the work areas before eating, drinking, or use of the toilet facilities.
- \* Containers will be labeled identifying them as waste, debris or contaminated clothing.
- \* All Excavation/drilling work will comply with regulatory agencies requirement.
- \* All site personnel will be required to wear hard hats and advised to take adequate measures for self protection.
- \* Any other action which is determined to be unsafe by the site safety officer.

**10. CONFINED SPACE ENTRY PROCEDURES**

No one is allowed to enter any confined space operation without proper safety measures. Specifically in case of an excavated Tank Pit no one should enter at no time.

**11. EMERGENCY RESPONSE PLAN**

Fire extinguisher(s) will be on site prior to excavation.  
Relevant phone numbers:

Person	Title	Phone No.
<u>Lytle Travis</u>	Project Manager	<u>415-429-2088</u>
_____	Fire	911 or _____
_____	Police	911 or _____
_____	Ambulance	911 or _____
_____	Poison Control Center	(800)523-2222
_____	Site Phone	_____
_____	Nearest off-site no.	_____
_____	Medical Advisor	_____
<u>Bo Ginn</u>	Client Contact	<u>(415) 763-2096</u>

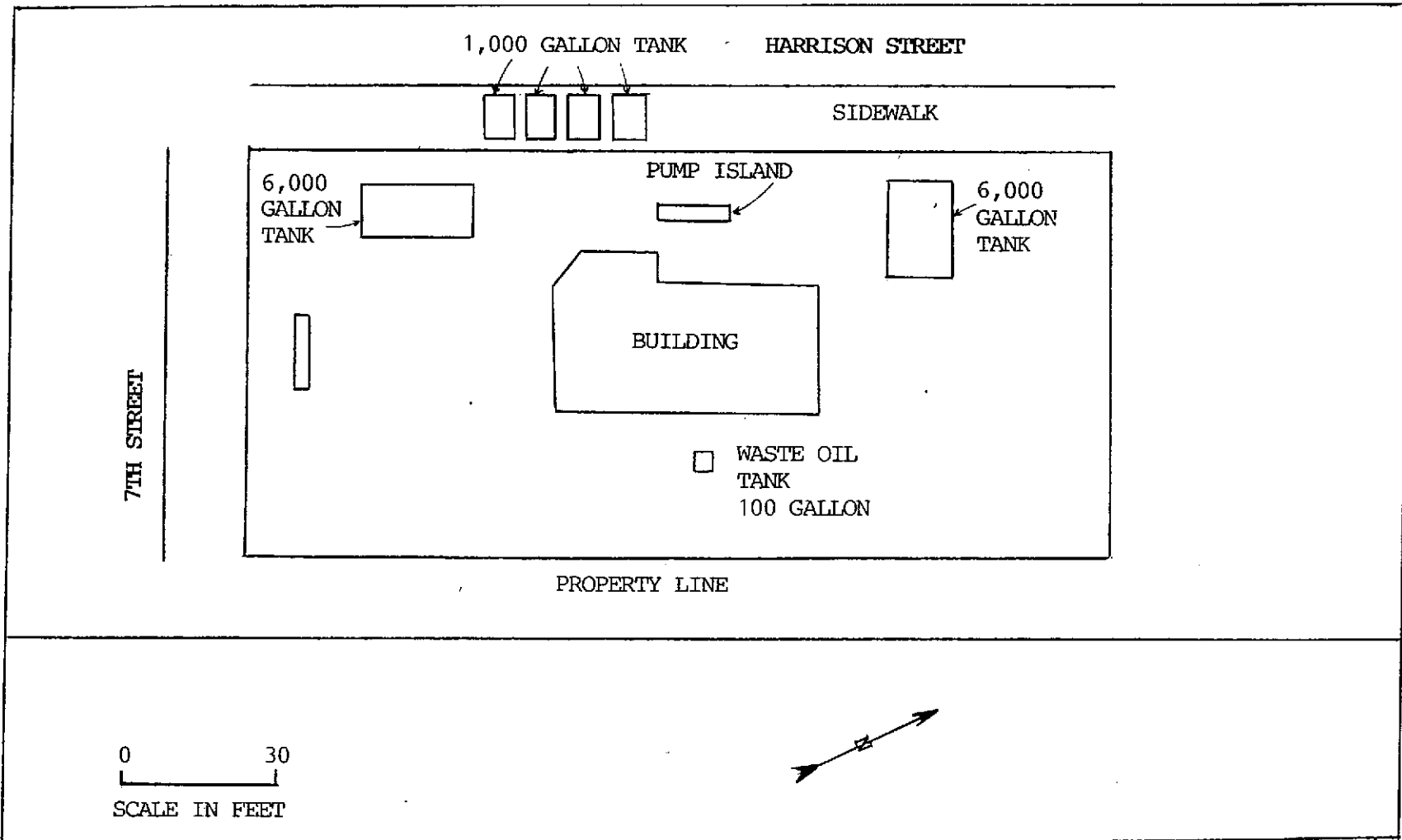




2821 Whipple Road  
Union City, California

(415) 429-8088  
(800) 523-8088  
FAX (415) 429-8089

DATE 5/24/90



ADDITIONAL INFORMATION:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PLOT PLAN

CLIENT: NAME, ADDRESS AND PHONE

706 HARRISON STREET

OAKLAND, CALIFORNIA



**STATE  
COMPENSATION  
INSURANCE  
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

**CERTIFICATE OF WORKERS' COMPENSATION INSURANCE**

JUNE 27, 1990

POLICY NUMBER: 1145921-89  
CERTIFICATE EXPIRES: 9-1-90

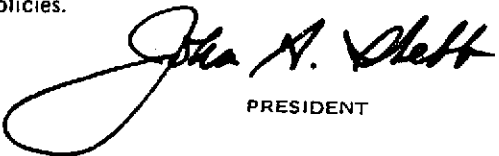
DEPT OF ENVIRONMENTAL  
HEALTH HAZARD MATERIAL DIVISION  
80 SWAN WAY ROOM 200  
OAKLAND, CA 94621

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

  
PRESIDENT

EMPLOYER

TANK PROTECT ENGINEERING OF NO CALIF INC.  
2821 WHIPLLE ROAD  
UNION CITY, CA 94587