

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SCWT
10-10-05

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

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.

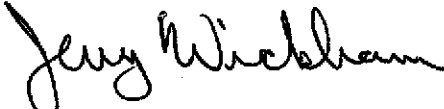
No extensions of due dates or approval of delays have been granted by this office. Therefore, your site is out of compliance with ACEH directives. We are providing a copy of this letter to the Underground Storage Tank Fund. Please note that delays in investigation, late reports, or enforcement actions 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, 17th 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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SENT
03-23-05

March 22, 2005

Scott Anderson
Dublin Toyota/Pontiac
6450 Dublin Ct.
Dublin, CA 94568

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335
Nolan Davis
Nolan M. & Velia E. Davis Trust
50 Oak Court, Ste. 160
Danville, CA 94526-4039

Subject: Fuel Leak Case No. RO0000333, Dublin Toyota/Pontiac, 6450 Dublin Court, Dublin, California – Interim Remedial Action Plan Approval

Dear Msrs. Anderson and Davis:

Alameda County Environmental Health (ACEH) has reviewed your March 18, 2005, *Interim Remedial Measures Workplan* prepared by Gribi Associates for the above-referenced site. We concur with your workplan provided the following conditions are met:

1. The extraction/monitoring wells will be screened within the gravel backfill in the former UST cavity.
2. Field measurements during each extraction event will include: a) depth to water in the two proposed extraction/monitoring wells and in well MW-1 prior to extraction; b) depth to water during extraction (at appropriate time intervals) in the unused monitoring/extraction well; c) vacuum influence during extraction (at appropriate time intervals) in the unused monitoring/extraction well; and d) wellhead and stinger/drop tube vacuum in the extraction well during extraction; e) vapor extraction rate at appropriate time intervals; and f) total volume of liquids extracted.
3. The initial extraction event will include collection and analysis of pre- and post-extraction groundwater samples from each of the two proposed wells. Sampling protocol for the following events will be determined based on the initial event results.
4. The final report will include an assessment of contaminant mass removed and mass likely remaining in the source area. Recommendations in the final report will include a proposal for appropriate future action(s).
5. 72-hr advance written notification (email preferred) will be provided to ACEH prior to field sampling activities.

Please implement the proposed investigation and submit technical reports following the schedule below. In addition, we request that you address the following technical comments in your report.

REPORT REQUEST

Please submit your *Interim Remedial Action Report* by **June 22, 2005**. ACEH makes this request pursuant to California Health & Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2778 outline the responsibilities of a responsible party for an unauthorized release from an UST system, and require your compliance with this request.

Professional Certification and Conclusions/Recommendations

The California Business and Professions Code (Sections 6735 and 7835.1) requires that workplans 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.

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.

UNDERGROUND STORAGE TANK CLEANUP FUND

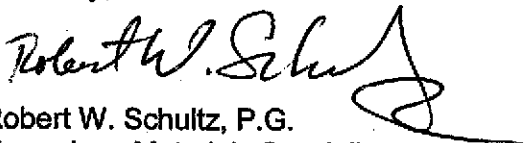
Please note that delays in investigation, late reports or enforcement actions by ACEH may result in you becoming ineligible to receive cleanup cost reimbursement from the state's Underground Storage Tank Cleanup Fund (senate Bill 2004).

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 County District Attorney or other appropriate agency, for enforcement. California Health and Safety Code, Section 25299.76 authorizes ACEH enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Please call me at (510) 567-6719 with any questions regarding this case.

Sincerely,



Robert W. Schultz, P.G.
Hazardous Materials Specialist

cc: James Gribi, Gribi Associates, 1350 Hayes St., Ste. C-7, Benicia, CA 94510
Shari Knieriem, P.O. Box 944212, Sacramento, CA 94244-2120
Matt Katen, Zone 7 Water District, QIC 80201
Donna Drogos, ACEH
Robert W. Schultz, ACEH

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT
03-22-05

March 21, 2005

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

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

Dear Mr. Yee

Subject: Fuel Leak Site RO0000321, 726 Harrison St., Oakland, CA 94607

Alameda County Environmental Health, has reviewed the case file for the subject site including the March 15, 2005 Quarterly Groundwater Monitoring Report prepared by Aqua Science Engineers, (ASE), your consultant. We notice that the previously approved work plan for the chemical oxidation pilot study has still not been started. As you are aware, the County reissued an approval to you, per your request, in a July 26, 2004 letter. The following technical report requests were made:

- September 24, 2004- Initiate Chemical Oxidation Bench Test
- Chemical Oxidation Bench Test Report- 30 days after the conclusion of the test
- Pilot Study- Initiate 30 days after County concurrence with recommendation to proceed.

No extension of due dates or approval of delays has been granted by our office. Please note that delays in investigation, late reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

Our office requests that you initiate the approved work plan starting with the chemical oxidation bench test by April 21, 2005 and submit your test report within 30 days of completing this test.

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

Sincerely,

A handwritten signature in cursive script that reads "Barney M. Chan".

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, D. Drogos

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

Ms. S. Chan-Barba, 242 California Ave., San Leandro, CA 94526

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

Mr. M. Meyers, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608

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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



SENT
7-27-04

July 26, 2004

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

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

Dear Mr. Yee

Subject: Fuel Leak Site RO0000321, 726 Harrison St., Oakland, CA 94607

Alameda County Environmental Health, Local Oversight Program (LOP) understand that you are the new property owner of the referenced site and you would like a re-issuance of the approval letter for the interim work plan for chemical oxidation. We further understand that this approved work was not performed by Mr. Kin Chan, the previous property owner. This letter complies with your request. The May 23, 2003 *Workplan for a Chemical Oxidation Pilot Study* prepared by Aqua Science Engineers, your consultant is approved. The proposal submitted includes the following elements:

1. Chemical Oxidation Bench Test
2. Assuming the bench test proves positive, a 20% Pilot Study will be performed at the site.
3. Three Geoprobe borings will be advanced within the treated area and soil and groundwater samples collected and analyzed to determine the effectiveness of the treatment.
4. Should the results of the pilot study prove positive, the rest of the impacted area will be treated and sampled similarly to that of the pilot test.

Our office concurs with this proposal. Please provide the following technical reports according to the following schedule.

- September 24, 2004- Initiate Chemical Oxidation Bench Test
- Chemical Oxidation Bench Test Report- 30 days after the conclusion of the test
- Pilot Study- Initiate 30 days after County concurrence with recommendation to proceed.

Please be informed that a new caseworker has been assigned to your site. In the interim, if you have any questions please contact Ms. Donna Drogos, LOP Program Manager at (510) 567-6721.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, D. Drogos

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

Ms. S. Chan-Barba, 242 California Ave., San Leandro, CA 94526

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

Mr. M. Meyers, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608

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

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ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



04-07-04
ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

April 6, 2004

Mr. Kin Chan
432 Edgewood Avenue
Oakland, CA 94602

NOTICE OF VIOLATION

Dear Mr. Chan:

Subject: Fuel Leak Case No. RO0000321, 726 Harrison St., Oakland 94607

Alameda County Environmental Health, Local Oversight Program (LOP) staff wrote to you last in my December 9, 2003 letter. In this letter, we requested that you perform the approved chemical oxidation pilot test at your site and submit your investigation report by March 10, 2004. As of the current date, our office has not received the requested report and we are not aware that the pilot tests have been scheduled.

Your site is considered out of compliance and is at risk of losing its eligibility to the state's Underground Storage Tank Cleanup Fund. You will then not be eligible to receive reimbursement of your cleanup costs.

Please submit the results of your pilot test to our office by June 10, 2004.

This report is being requested pursuant to the Regional Water Quality Control Board's authority under Section 13267 of the California Water Code. Failure to submit the requested report may subject you to enforcement actions.

You may contact me at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, D. Drogos, files

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

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

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

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

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

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ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



12-03

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

December 11, 2003

Mr. Kin Chan
432 Edgewood Avenue
Oakland, CA 94602

Dear Mr. Chan:

Subject: Fuel Leak Case No. RO0000321, 726 Harrison St., Oakland 94607

Alameda County Environmental Health, Local Oversight Program (LOP) staff has reviewed the case file for the subject site including the September 5, 2003 Quarterly Groundwater Monitoring Report. I have spoke with your consultant and have been informed that this report contained errors and a revised monitoring report with corrections will be sent to our office, however, the analytical data and recommendations in the report are correct.

It appears that significant delays are occurring in the implementation of the approved interim corrective action plan, ie in-situ chemical oxidation. The receipt of pre-approval from the Clean-Up Fund is not an acceptable excuse for delaying this work, particularly since the Fund is not currently issuing pre-approval letters. Therefore, our office requests that you perform the approved pilot test and submit an investigation report by **March 10, 2004**.

This report is being requested pursuant to the Regional Water Quality Control Board's authority under Section 13267 of the California Water Code. Failure to submit the requested report may subject you to enforcement actions.

You may contact me at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, D. Drogos, files

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

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

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

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

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

726HarrisonSt12_9_03

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



8-13-03

August 12, 2003

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

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

Dear Mr. Chan

Subject: Fuel Leak Site RO0000321, 726 Harrison St., Oakland, CA 94607

Alameda County Environmental Health, Local Oversight Program staff has received and reviewed the May 23, 2003 *Workplan for a Chemical Oxidation Pilot Study* prepared by Aqua Science Engineers, your consultant. We have also received additional information from Mr. Jim Jacobs of Fast-Tek. The proposal responds to our office's March 23, 2003 letter, which asked that you compare remediation costs and effectiveness for chemical treatment versus soil excavation, water pumping and ORC addition. Therefore, the proposal submitted includes the following elements:

1. Chemical Oxidation Bench Test
2. Assuming the bench test proves positive, a 20% Pilot Study will be performed at the site.
3. Three Geoprobe borings will be advanced within the treated area and soil and groundwater samples collected and analyzed to determine the effectiveness of the treatment.
4. Should the results of the pilot study prove positive, the rest of the impacted area will be treated and sampled similarly to that of the pilot test.

Our office concurs with this proposal. Please provide the following technical reports according to the following schedule.

- September 15, 2003- Initiate Chemical Oxidation Bench Test
- Chemical Oxidation Bench Test Report- 30 days after the conclusion of the test
- Pilot Study- Initiate 30 days after County concurrence with recommendation to proceed.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, D. Drogos

Mr. R. Kitay, ASE, 208 W. Pintado Rd., Danville, CA 94526
Ms. S. Chan-Barba, 242 California Ave., San Leandro, CA 94526
Mr. Bo Gin, 288 11th St., Oakland, CA 94607
Mr. M. Meyers, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608
Mr. S. Ramdass, SWRCB Cleanup Fund, 1001 I St., 17th Floor, Sacramento, CA 95814-2828

Oxwpap726Harrison

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



03-2403

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

March 23, 2003

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

Dear Mr. Chan:

Subject: Fuel Leak Case RO0000321, 726 Harrison St., Oakland, CA 94607, Former Chan's Shell Station

Alameda County Environmental Health, Local Oversight staff has reviewed the case file for the subject site including the February 11, 2003 Workplan for a Soil and Groundwater Remediation Project prepared by Aqua Science Engineers, Inc., (ASE). At this time we cannot concur with the Workplan proposal based upon the technical observations below.

Technical Comments

- Upon review of the work plan it appears that the anticipated cost versus benefits of remediation is not attractive. Significant costs associated with shoring of the pit, segregation of clean and dirty soil and the logistics of stockpiling the soil for segregation make this work plan unattractive.
- Significant clean soil remains above contaminated soil, which would require significant segregation, characterization, stockpiling, reuse and compaction.
- The pumping, storage and disposition of groundwater would also incur significant expense and difficulty due to the lack of onsite space.
- It appears that at least one other potentially viable remediation approach was not evaluated in your Corrective Action Plan that being in-situ chemical treatment. Chemical oxidation combined with injection of oxygen releasing compounds may be comparable or better option than that proposed. You are invited to offer additional viable options.

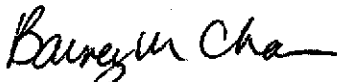
Technical Report Request

- April 23, 2003- Please submit a work plan to evaluate remediation by chemical treatment at your site. Please include a cost comparison versus the prior proposal; excavation, groundwater extraction and ORC addition.

Mr. Kin Chan
RO0000321
726 Harrison St., Oakland, CA 94607
March 23, 2003
Page 2

You may 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. R. Kitay, ASE, 208 W. Pintado Rd., Danville, CA 94526

Ms. S. Chan-Barba, 242 California Ave., San Leandro, CA 94526

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

Mr. M. Meyers, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608

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

Oxwp726Harrison St.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



8-15-02

August 14, 2002

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

ENVIRONMENTAL HEALTH SERVICES

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

Dear Mr. and Mrs. Chan:

Subject: Fuel Leak Case No. RO0000321, 726 Harrison St., Oakland, CA 94607

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the August 7, 2002 Report of Additional Soil and Groundwater Assessment and Remediation Recommendations for the referenced site, prepared by Aqua Science Engineers, ASE. We have the following technical comments and technical report request for you to address.

Technical Comments

1. Significant residual petroleum contamination in soil and groundwater was found within the former underground storage tank pit, particularly in boring BH-E. This is evidence that not much, if any, excavation was done below the original tank pit depth of 11' after tank removals. Although not all the soil samples within the pit showed equally elevated contamination, soil excavation appears to be the only technical and economically feasible remediation approach for this site. Prior air sparge and groundwater pump tests did not indicate these to be viable remediation approaches. Our office, therefore, concurs with the ASE recommendation for additional excavation at this site. They also recommend adding oxygen releasing compound (ORC) to the tank pit floor to oxygenate groundwater. ASE also states that the existing building should be taken down to facilitate the excavation.
2. Groundwater contamination does not appear to have migrated down-gradient across Harrison St. as evidenced by the lack of contamination found in boring BH-H.

Technical Report Request

Please submit a formal work plan for the above-mentioned work within 45 days or no later than September 16, 2002. The work plan should minimally include such items as:

- An estimate of the proposed amount of soil excavation
- A description of soil storage, characterization for reuse and disposal
- A discussion of soil cleanup levels
- Proposal for groundwater disposal and treatment
- Proposal for replacement wells after excavation is performed

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. R. Kitay, ASE, 208 W. Pintado Rd., Danville, CA 94526
Ms. S. Chan-Barba, 242 California Ave., San Leandro, CA 94526
Mr. Bo Gin, 288 11th St., Oakland, CA 94607
Mr. R. Scheele, Cambria Environmental, 1144 65th St., Suite B, Oakland, CA 94608
Excwp726Harrison

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



05-28-02

May 21, 2002

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

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

Re: Fuel Leak Case No. RO0000321, 726 Harrison St., Oakland CA 94607

Dear Mr. and Mrs. Chan:

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the Quarterly Groundwater Monitoring Report April 2002 for the referenced site prepared by Aqua Science Engineers Inc., (ASE), your consultant. I have discussed these results and the site status with Mr. Robert Kitay of ASE. There has been difficulty in finding an appropriate remediation approach for this site. Conventional pump and treatment of groundwater and vapor extraction tests have not given promising pilot test results. My last letter, January 10, 2002, suggested that you consider evaluating the alternative of enhanced bioremediation. However, since this approach requires the ability for chemicals to be transported in groundwater, it suffers from the same handicap experienced in groundwater extraction. Mr. Kitay believes that there still may be residual contamination at the site since the groundwater concentrations in the wells remain elevated. He also believes that the former tank pit may contain residual contamination in soil and groundwater. He, therefore, recommends additional investigation. Our office has the following comments:

1. **Additional Soil and Groundwater Investigation-** Approximately four borings are recommended to be advanced proximal and within the former tank pit. The borings should be screened minimally every five feet to groundwater for possible chemical analysis. A grab groundwater sample should be collected from each boring for analysis. Please run your samples for the following compounds: TPHg, BTEX and MTBE. In addition, another boring should be advanced across Harrison St. to determine the extent of the plume off-site. Please submit a work plan for this additional work as requested below.

Technical Report Request

Please submit the following technical reports to our office according to the following schedule:

- June 21, 2002- Work Plan
- July 29, 2002- Soil and Groundwater Investigation Report

Please contact me at (510) 567-6765 with any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

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

Ms. S. Chan-Barba, 242 California Ave., San Leandro, CA 94526

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

Mr. R. Scheele, Cambria Environmental, 1144 65th St., Suite B, Oakland, CA 94608

ssi726Harrison

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



06-26-02

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

June 25, 2002

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

Re: Fuel Leak Case No. RO0000321, 726 Harrison St., Oakland CA 94607

Dear Mr. and Mrs. Chan:

Alameda County Environmental Health, Local Oversight Program (LOP), has received and reviewed the June 13, 2002 Workplan for Soil and Groundwater Assessment for the referenced site prepared by Aqua Science Engineers, Inc. (ASE). This work plan responds to my May 21, 2002 letter and proposes the advancement of five (5) borings, one off-site and four on-site within the former tank pit. It is hoped that this investigation will delineate the contaminant plume off-site as well as determine if residual contamination lies within the former tank pit. This information can be used to design appropriate remediation for the site. The work plan is approved. As previously requested, please submit your soil and groundwater investigation report to our office by July 29, 2002.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

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

Ms. S. Chan-Barba, 242 California Ave., San Leandro, CA 94526

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

Mr. R. Scheele, Cambria Environmental, 1144 65th St., Suite B, Oakland, CA 94608

Wpap726Harrison

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



2-11-02
ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
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(510) 567-6700
FAX (510) 337-9335

January 10, 2002
StID 39/ RO0000321

Mr. Kin and Daisy Chan
4328 Edgewood Ave.
Oakland CA 94602

Re: Soil and Groundwater Assessment and Corrective Action Plan for 726 Harrison St., Oakland, CA 94607, Former Chan's Shell Station

Dear Mr. And Mrs. Chan:

Our office has received and reviewed the December 21, 2001 referenced report prepared by Aqua Science Engineers (ASE), your consultant. As you may recall, this report details the results of a number of activities, including a soil vapor extraction test, a groundwater extraction test, an air sparge test, the advancement of on-site borings and the installation of monitoring well MW-5. In conjunction with this work, a corrective action plan (CAP) was provided evaluating various remediation options with one being recommended.

The following conclusions can be made from this work:

- Since the groundwater sample from BH-C exhibited elevated gasoline, BTEX and MTBE, there may be a need to determine the off-site extent of the plume in the direction of Harrison St.
- Groundwater contamination, though present at elevated levels, appears to exist as a plume with a defined width. MW-2 has been non-detect for Total Petroleum Hydrocarbons for a long time and is currently not being sampled.
- Based upon soil sample results from the borings advanced, the shallow soil contamination is low in and has apparently migrated to groundwater.
- Monitoring well MW-5 exhibited elevated gasoline, BTEX and MTBE concentrations consistent with the elevated concentrations found in MW-1, therefore, the contamination being found in MW-4 on Mr. Bo Gin's property is likely from this site.
- The extraction and air sparge tests indicate that these technologies would not be effective for remediation at this site.

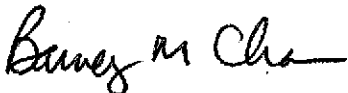
Mr. Kin and Daisy Chan
726 Harrison St., Oakland 94607
StID 39/ RO0000321
January 10, 2002
Page 2

- Because of the relative absence of elevated contamination in the vadose soil in the proposed areas of excavation, our office does not concur with the proposed corrective action plan of limited excavation. After discussion with Mr. Robert Kitay of ASE, we agree that among other alternatives, enhanced bio-remediation should be considered. Technologies such as addition of designed microbes and oxygenation barriers will be explored. Pilot studies can be done to determine the migration rate groundwater, the population of naturally occurring microbes, and the effectiveness of MTBE and TPH as gasoline consumption versus variables.

Please provide a brief work plan to perform these and any other appropriate pilot and field studies. Further recommendations can be made after these tests are reviewed.

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. R. Kitay, ASE, 208 West Pintado Rd., Danville, CA 94526

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

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

Mr. R. Scheele, Cambria Environmental, 1144 65th, Suite B, Oakland CA 94608

Mr. D. DeWitt, Tosco Marketing, 2000 Crow Canyon Place, Suite 400,
San Ramon, CA 94586

Cap726HarrisonSt

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



05-15-01

20321

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

May 14, 2001
StID #39

Mr. Kin Chan
4328 Edgewood Ave.
Oakland CA 94602

Re: 726 Harrison St., Oakland CA 94607

Dear Mr. Chan:

Our office has received and reviewed the May 9, 2001 Quarterly Groundwater Monitoring Report for the above site prepared by Aqua Science Engineers Inc. (ASE). Increased concentrations of gasoline, BTEX and MTBE were observed in MW-1, perhaps indicative of residual contamination in shallow soils. ASE recommends and our office concurs that groundwater sampling and analysis can be eliminated from MW-2 due to historical non-detectable levels of contaminants, however, please continue to take groundwater elevation readings from this well to incorporate in your gradient maps.

Please keep our office updated in the progress of your recently approved work plan for additional on-site investigation and extraction/air sparging tests.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. R. Kitay, ASE, 208 W. El Pintado, Danville, CA 94526
Monchg726Harrison

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



B-25-01

20321

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

March 19, 2001
StID # 39

Mr. Kin and Daisy Chan
4328 Edgewood Ave.
Oakland CA 94602

Re: Former Shell Station, 726 Harrison St., Oakland CA 94612

Dear Mr. and Mrs. Chan:

Our office previously requested in my December 19, 2000 letter that you submit a work plan for evaluating and recommending a remediation approach for the above referenced site. Your work plan was to be submitted by February 6, 2001, however, our office has yet to receive the work plan. I understand that a work plan has been prepared by your consultant, Aqua Science Engineer, (ASE), but you have not authorized its submittal. I further understand that you have been accepted into the Underground Storage Tank Clean-up Fund, the Fund, therefore, future work at your site will be reimbursed by the Fund.

Please submit your investigation and remediation work plan to our office within 30 days, or no later than April 20, 2001. Keep in mind that your compliance with regulatory requirements is required to maintain your eligibility in the Fund.

As requested in your February 5, 2001 quarterly groundwater monitoring report, you may discontinue sampling and analysis of groundwater from MW-2 due to its historical absence of petroleum contamination, however, please continue to take elevation readings from this well to incorporate into your groundwater gradient maps.

Our office is available to discuss your site with you and your consultant as requested. Please have ASE contact me at (510) 567-6765 to set up a date and time convenient to all.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. R. Kitay, ASE, 208 West Pintado Rd., Danville, CA 94526

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

Mr. R. Scheele, Cambria Environmental, 1144 65th St., Suite B, Oakland CA 94608

Mr. D. DeWitt, Tosco Marketing, 2000 Crow Canyon Place, Suite 400, San Ramon, CA 94586

2wprq726Harrison

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



05-09-01

R0321

May 8, 2001
StID # 39

Mr. Kin and Daisy Chan
4328 Edgewood Ave.
Oakland CA 94602

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

**Re: Work Plan for Soil and Groundwater Assessment and Remediation Feasibility Tests at
726 Harrison St., Oakland CA 94607**

Dear Mr. and Mrs. Chan:

Our office has received and reviewed the April 30, 2001 report referenced above for your property located at 726 Harrison St., Oakland. As you are aware, Aqua Science Engineers, Inc., (ASE), has submitted a work plan to perform additional site assessment and perform several remediation performance tests. The work plan has the following elements:

- Installing five borings to groundwater. Sample both soil and groundwater.
- Install one groundwater extraction well near MW-1 to be used in a step drawdown and constant rate groundwater extraction test. This well should also be incorporated in the sampling and gradient map on future monitoring events. Sample both soil and groundwater.
- Install one air sparge well in the same general area of MW-1 to perform an air sparge test upon. Sample both soil and groundwater.
- Install two vapor extraction wells, again in the highest impacted area, to perform a vapor extraction test. Sample both soil and groundwater. All samples collected will be analyzed for total petroleum hydrocarbons as gasoline, BTEX and MTBE.

ASE will evaluate the results of the three tests to determine the feasibility of each potential remediation action as well as the analytical data to estimate the extent of contamination.

I have spoke with Mr. Robert Kitay of ASE and the work plan is generally acceptable with the following additions, modifications and recommendations:

- The boring on the west side of Harrison St. may not be necessary to define the limits of the groundwater plume. If the westernmost onsite boring does not exhibit any contamination in soil and groundwater, this boring is not required.
- The southernmost boring should be converted into a monitoring well. This location is suspected to be impacted by MTBE and should be used to confirm or deny the source of elevated MTBE concentrations in MW-4 on 706 Harrison St., Mr. Bo Gin's property.
- Before your consultant makes their recommendations, please have them review the results of the air sparge/vapor extraction system installed and run at 706 Harrison St. I have not received an evaluation of the efficacy of their remediation as of yet. In addition, ASE should also evaluate the possibility of combining the remediation methods to increase hydrocarbon removal.

Mr. Kin and Daisy Chan
StID # 39
726 Harrison St., Oakland 94607
May 8, 2001
Page 2

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. R. Kitay, ASE, 208 West Pintado Rd., Danville, CA 94526

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

Mr. R. Scheele, Cambria Environmental, 1144 65th St., Suite B, Oakland CA 94608

Mr. D. De Witt, Tosco Marketing, 2000 Crow Canyon Place, Suite 400, San Ramon,
CA 94586

Wpap726HarrisonSt.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



12-20-00

20321

December 19, 2000
StID # 39

Mr. Kin and Daisy Chan
4328 Edgewood Ave.
Oakland CA 94602

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

Re: Former Shell Station, 726 Harrison St., Oakland CA 94612

Dear Mr. and Mrs. Chan:

As you may be aware, I have recently taken over the oversight of the above referenced site from Mr. Larry Seto of this office. I have reviewed the files for the site and it is apparent that a significant gasoline, BTEX (benzene, toluene, ethyl benzene and xylenes), and MTBE release has occurred at the site. Up to now, only groundwater monitoring has been performed at the site. Although there may be a potential of petroleum migration from the neighboring Unocal site onto this site and potential migration of petroleum contamination onto the former ARCO site from this site, the other sites have been doing some type of groundwater remediation. Unocal has installed oxygen releasing compound in their wells, while the ARCO site has been operating a soil vapor/air sparge remediation system for several years. The elevated concentration of contaminants (particularly MTBE) in well MW-1 will require remediation. Since these three sites are involved due commingling contaminant plumes, a concerted effort is necessary from all parties to remediate their own site according to the severity of their release.

Therefore, please submit a work plan for evaluating and recommending a remediation approach for the elevated groundwater contamination at this site. Minimally, remediation should encompass the area within the former tank pit and around well MW-1 and the effect of the remediation should be evidenced in ARCO's well MW-4. **Please submit your work plan to our office within 45 days or no later than February 6, 2001.**

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. R. Kitay, ASE, 208 West El Pintado Rd., Danville, CA 94526
Mr. D. DeWitt, Tosco Marketing, 2000 Crow Canyon Place, Suite 400, San Ramon CA 94586
Mr. D. Vossler, Gettler-Ryan Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Mr. Bo Gin, 288 11th St., Oakland, CA 94607
Mr. R. Scheele, Cambria Environmental, 1144 65th St., Suite B., Oakland CA 94608

Wprq726Harrison

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO# 321

February 4, 1999

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

Kin and Daisy Chan
4328 Edgewood Avenue
Oakland, CA 94602
STID 39

RE: 726 Harrison Street, Oakland, CA 94612

Dear Mr. & Ms. Chan:

I have reviewed your Report of Soil and Groundwater Assessment dated January 8, 1999 for the above site. The groundwater samples collected from the four (4) monitoring wells on-site contained up to 18,000 ppb, 1,500 ppb, 270 ppb, 260 ppb 560 ppb and 14,000 ppb of TPH(gas), benzene, toluene, ethyl benzene, total xylenes and MTBE respectively. Benzene concentrations in groundwater samples collected from monitoring wells MW-1 and MW-4 exceeded DTSC MCLs for drinking water. The toluene concentration in groundwater samples collected from monitoring well MW-1 also exceeded the DTSC MCL for drinking water. MTBE concentrations exceeded the DTSC interim action level for drinking water in groundwater samples collected from monitoring wells MW-1, MW-3 and MW-4.

Groundwater samples should be collected from all four monitoring wells on-site on a quarterly basis. The samples should be tested for the presence of TPH(gas), benzene, toluene, ethyl benzene, total xylenes and MTBE. Note: At least one groundwater sample per site which was positive for MTBE by EPA method 8020A be analyzed by EPA method 8240B (or 8260A) to verify the correct identification of MTBE. (i.e. split samples from a minimum of one well from each site)

Please be aware that in the future in addition to monitoring the groundwater, you maybe required to take a more aggressive approach in remediating your site.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SPD 39

20321

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

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO#321

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

November 23, 1998

Kin and Daisy Chan
4328 Edgewood Avenue
Oakland, CA 94602
STID 39

RE: 726 Harrison Street, Oakland, CA 94612

Dear Mr. & Ms. Chan:

I have reviewed your Workplan for a Soil and Groundwater Assessment dated November 16, 1998 that was prepared by Aqua Science Engineers for the above site. It is acceptable.

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Robert Kitay, Aqua Science Engineers, 208 W. El Pintado Road,
Danville, CA 94526
Leroy Griffin, City of Oakland Fire Department
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RO#321

Certified Mailer # Z 115 363 869

October 6, 1998

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

Kin & Daisy Chan
4328 Edgewood Ave.
Oakland, CA 94602
STID 39

NOTICE OF VIOLATION

RE: Shell, 726 Harrison Street, Oakland, CA 94607

Dear Mr. & Ms. Chan:

A letter dated September 23, 1997 requested a workplan be submitted to this office to delineate the extent of contamination on your site. The State Water Board and this office are concerned that hydrocarbons from your site are migrating onto your neighbor's site at 706 Harrison Street, Oakland. Your consultant, David Allen of Aqua Science Engineers Inc. faxed me a draft of the proposed locations for the installation of three additional monitoring wells on February 9, 1998. I have not received the formal workplan as of this date. **Please submit an additional subsurface workplan approval within 30 days of the receipt of this letter.**

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

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

Cc: David Allen, Aqua Science Engineers, 208 West El Pintado Road,
Danville, CA 94526
Bo Gin, 288 11th Street, Oakland, CA 94706
Bob Chambers, Alameda County District Attorney's Office,
Consumer & Environmental Protection
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO#321

September 23, 1997

Daisy & Kin Chan
4328 Edgewood Ave.
Oakland, CA 94602

STID 39, 726 Harrison St., Oakland, 94607

Dear Daisy & Kin Chan:

This office has received and reviewed a Soil and Groundwater Evaluation Report dated July 31, 1997 by Lowney Associates. The following are comments concerning this report:

1. The levels of TPHg, benzene, and MTBE discovered in your new well MW-1 are very high and certainly indicate that your tanks leaked. However, all data is basically linear in a downgradient direction. To adequately characterize your plume you need to have more data points, especially in both cross gradient directions. You will need to submit another workplan for this continued investigation. You are reminded that quarterly monitoring of the existing well is required.
2. It would be very wise for you to work together with the two other sites that you already researched and cited in your report. Simultaneous monitoring is best to see what is actually happening. It is not reasonable to compare contaminant numbers in the shallow zone from over a year apart.
3. You should not submit reports to the Regional Board as the report suggests on page 6.
4. Your figure 2 portrays the sample results for off-site wells MW-7 and MW-8 as being taken on 7-9-97 when they were actually taken on 7-9-96. This should be corrected.

Please be advised that this letter constitutes a formal request for technical reports pursuant to California Water Code Section 13267(b) and the Health and Safety Code Sections 25299.37 and 25299.78.

This case will be assigned to Larry Seto of this office. Please contact him at (510) 567-6774 if you have any questions regarding this letter.

Sincerely,

Thomas Peacock, Manager

c: Brock Foster, Lowney Associates, 405 Clyde Ave., Mountain View, CA 94043-2209
Gordon Coleman - Files

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

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

R0#321

July 25, 1997
STID #39

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

Mr. Kin Chan, Property Owner
726 Harrison Ave
Oakland CA 94610

Re: Formerly Chan's Shell, 726 Harrison Ave, Oakland CA 94610

Dear Mr. Chan:

This office has reviewed the workplan for soil and groundwater quality evaluation, dated June 9, 1997, for the above referenced site. The workplan was submitted by Brock Foster of Lowney Associates on your behalf.

The plan proposes drilling one 2-inch diameter boring. It will be located down-gradient within ten feet of the UST excavation and extend vertically into the water bearing zone. Groundwater is anticipated at a depth between 20 and 30 ft below ground surface (bgs).

Before this plan was implemented, it was revised by Peter Langtry of Lowney Associates. The planned boring was substituted for installation of a groundwater monitoring well.

Soil samples will be collected at 5 ft depth intervals and screened by an organic vapor meter (ovm). Two soil samples and one groundwater sample will be collected and analyzed for TPH-gasoline, TPH-diesel, B.T.E.X. and MTBE.

Please be advised that this workplan is approved, with the stipulation additional work may be required. Pursuant to the California Water Code, section 13267(b), technical reports documenting field activities and laboratory results must be submitted within 30 days. Your report should be received by this office no later than August 29, 1997.

Mr. Chan
Re: Chan' Shell
July 25, 1997


Page 2 of 2

If you have any questions or concerns, do not hesitate to call me
at 567-6731.

Sincerely,

Kevin Tinsley

Kevin Tinsley
Hazardous Materials Specialist

c, Peter M. Langtry, C.H.G., Associate Environmental Geologist,
Lowney Associates, 129 Filbert Street, Oakland,
California 94607-2531
Thomas Peacock, Manager, Alameda County E.P.S. 

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0#321

May 29, 1997

CERTIFIED: P 143 588 261

ENVIRONMENTAL HEALTH SERVICES

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

Mr. Kin Chan, Property Owner
Chan's Shell
726 Harrison Street
Oakland, California 94612
STID # 39

RE: Chan's Shell located at 726 Harrison Street, Oakland, California 94612

Dear Mr. Kin Chan:

This correspondence is intended to follow up the meeting between you and I, which occurred on May 16, 1997 at the Environmental Health Department, 1131 Harbor Bay Parkway in Alameda. At that time, several items were discussed and agreed upon as indicated below:

1. The required preliminary site assessment (PSA) workplan must be submitted, no later than June 7, 1997.
2. Groundwater monitoring information obtained from neighboring sites will be accepted as it pertains to your site conditions and is properly documented.
3. Copies of all correspondence, regarding this case, must be submitted to our office.
4. Field work proposed under the preliminary site assessment must be implemented within 45 after approval by this office.

If you have any questions or concerns regarding this matter, please do not hesitate to call me at, (510) 567-6731 Tuesday through Friday.

Sincerely,

Kevin Tinsley
Hazardous Materials Specialist
Local Oversight Program

c; Bob Chambers, Alameda County District Attorney's Office
Thomas Peacock, Manager Local Oversight Program - (files)

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

RO# 321

April 23, 1997

Certified Mailer:
2296 048 274

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

Mr. Kin Chan, Property Owner
Chan's Shell
726 Harrison Street
Oakland, California 94612
STID # 39

RE: Chan's Shell located at, 726 Harrison Street, Oakland,
California 94612

Dear Mr. Kin Chan:

I have reviewed the case, for the above referenced site, up to and including the February 25, 1997 request to extend the **preliminary site assessment (PSA)** workplan submittal deadline to March 7, 1997. Your request was initially made during a phone conversation and was approved verbally to allow a new consultant adequate time to become acquainted with the case. This extension granted an additional 90 days, from the February 18, 1997 due date until **May 18, 1997**. The preliminary site assessment (PSA) workplan will be due no later than **May 18, 1997**.

You should be aware this extension is granted under the, "Second Notice of Violation", issued on January 15, 1997 by our office. Failure to satisfy this directive in a timely manner may result in further legal action by the Alameda County District Attorney's Office.

To date, our office has not received your workplan for preliminary site assessment. **If the workplan has been submitted, contact this office immediately.**

As you know, I am the new case worker for your site. Please direct all future correspondence and reports to my attention.

Should you have any questions or concerns regarding this letter or the site, do not hesitate to call me at (510) 567-6731.

Sincerely,

Kevin Tinsley
Hazardous Materials Specialist

c, Bob Chambers, Alameda County District Attorney's Office
Thomas Fojut, R.G. Project Hydrogeologist, Weiss Associates
5500 Shellmound Street, Emeryville, California 94608-2411
KT/files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



120321

STID 0039

January 15, 1997

Chan's Shell
726 Harrison Street
Oakland, CA 94507

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

"SECOND NOTICE OF VIOLATION"

Dear Mr. Chan:

This letter serves to follow-up on a Alameda County Health Care Services Agency (ACHCSA) letter from myself dated October 29, 1996. **A preliminary site assessment (PSA) work plan was to be submitted to this office within 30 days of the date of this letter or no later than December 2, 1996.**

At this time you are directed to submit a preliminary site assessment work plan within 30 days of the date of this letter or no later than February 18, 1997.

Please be advised that failure to satisfy this request may result in the referral of this case to the Alameda County District Attorneys Office. Please be further advised that Section 25299(b) of the California Health and Safety Code, among other possible statutes, provides for civil penalties of up to \$5000 per tank per day for failure to comply with this directive.

Please be advised that this letter constitutes a formal request for technical reports pursuant to California Water Code Section 13267(b) and Health and Safety Code Sections 25299.37 and 25299.78.

In the event that you any questions, please feel free to contact Tom Peacock at (510)567-6782.

Sincerely,

Dale Klettke, CHMM
Hazardous Materials Specialist

c: Bob Chambers, Alameda County District Attorneys Office
Kenneth W. Jenner, Attorney at Law, 100 Webster Street, Penthouse Suite
Oakland, CA 94607

Dale Klettke--files

0039nov2.dkt

pc

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Ro#321

STID 0039

October 29, 1996

Chan's Shell
✓ 726 Harrison Street
Oakland, CA 94507

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

"NOTICE OF VIOLATION"

Dear Mr. Chan:

This letter serves to follow-up on a Alameda County Health Care Services Agency (ACHCSA) letter from myself dated August 1, 1996. **A preliminary site assessment (PSA) work plan was to be submitted to this office within 60 days of the date of this letter or no later than October 1, 1996.**

At this time you are directed to submit a preliminary site assessment work plan within 30 days of the date of this letter or by December 2, 1996.

Please be advised that failure to satisfy this request may result in the referral of this case to the Alameda County District Attorneys Office. Please be further advised that Section 25299(b) of the California Health and Safety Code, among other possible statutes, provides for civil penalties of up to \$5000 per tank per day for failure to comply with this directive.

Please be advised that this letter constitutes a formal request for technical reports pursuant to California Water Code Section 13267(b) and Health and Safety Code Sections 25299.37 and 25299.78.

In the event that you any questions, please feel free to contact me directly at (510)567-6880.

Sincerely,

A handwritten signature in cursive script that reads "Dale Klettke".

Dale Klettke, CHMM
Hazardous Materials Specialist

c: Bob Chambers, Alameda County District Attorneys Office
Kenneth W. Jenner, Attorney at Law, 100 Webster Street, Penthouse Suite
Oakland, CA 94607

Dale Klettke--files

0039nov1.dkt

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



20321

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

STID 0039

August 1, 1996

Chan's Shell
726 Harrison Street
Oakland, CA 94507
Attn: Mr. Kin Chan

Dear Mr. Chan:

This office is in receipt of and has completed review of the case file for this site, up to and including the March 21, 1996, ALL Environmental Inc., (AEI) "Overexcavation and Disposal of Contaminated Soil Report".

The results of sample analysis and observations documented by ALL Environmental during the December 1995 overexcavation of contaminated soil from beneath the previous gasoline underground storage tanks has been evaluated.

Soil sample OEC 19', collected at a depth of 19' below ground surface (bgs), detected total petroleum hydrocarbons as gasoline (TPHg), methyl-tert-butyl ether (MTBE) and benzene, toluene, ethyl benzene and total xylenes (BTEX) at concentrations of 5100, <0.05, 15, 110, 82 and 510 ppm, respectively. Soil sample OEB 20', collected at a depth of 20' bgs, detected TPHg, MTBE and BTEX at concentrations of 290, 16, 2.9, 0.33, 3.7 and 22 ppm, respectively.

A confirmed release from the UST(s) has occurred at this site. The extent of petroleum hydrocarbon contamination is not adequately defined. Pursuant to provisions of Article 11, Title 23, California Code of Regulations (CCR), you are required to perform a preliminary site assessment (PSA) when a confirmed release from an UST has occurred. To facilitate this task, a PSA work plan must be submitted for review. **This work plan is due within 60 days of the date of this letter or no later than October 1, 1996.**

However, in order to pursue the pending PSA in a more cost-effective fashion, this office encourages you to first employ rapid site assessment tools (e.g. CPT, Geo Probe, Hydropunch, etc.) to qualitatively assess impacts before proposing final well locations.

A report must be submitted within 45 days of the completion of field activities associated with this phase of work at the site. The referenced reports must describe the status of the investigation and include, among other elements, the following:

- Details and results of all work performed during the designated reporting period: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed (including QA/QC data), tabulations of free product thicknesses and dissolved fractions, etc.

Mr. Kin Chan
RE: 726 Harrison Street, Oakland
August 1, 1996
Page 2 of 2

- Status of ground water contamination and characterization.
- Interpretation of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target compound, geologic cross sections, etc.
- Recommendations for additional work.

Pursuant to provisions of the Business and Professions Code all work and reports which require geologic or engineering evaluations and/or judgements must be performed under the direction of an appropriately registered or certified professional. Therefore, all proposals must be submitted under seal of a California-registered geologist or civil engineer with the appropriate environmental background.

Please be advised that this letter constitutes a formal request for technical reports pursuant to California Water Code Section 13267(b) and Health and Safety Code Sections 25299.37 and 25299.78.

For your information, the Underground Storage Tank Cleanup Fund (Fund) is created pursuant to Chapter 6.75 of the California Health & Safety Code to help eligible owners and operators of petroleum underground storage tanks obtain reimbursement for costs of the cleanup of unauthorized releases of petroleum. You are encouraged to contact the SWRCB fund representative (916/227-4529) for more case-specific information and to obtain an application package. Please also bear in mind that, in order to maintain UST clean-up fund eligibility, specific bidding requirements and contracting criteria must be met.

In the event that you any questions, please feel free to contact me directly at (510)567-6880.

Sincerely,



Dale Klettke, CHMM
Hazardous Materials Specialist

c: Tom Peacock, LOP Manager--files
Craig Hertz, ALL Environmental, 2641 Crow Canyon Road, Suite 5, San Ramon,
CA 94583

bc

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RO#321

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

STID 0039

May 7, 1996

Chan's Shell
726 Harrison Street
Oakland, CA 94507
Attn: Mr. Kin Chan

Dear Mr. Chan:

This office is in receipt of and has completed review of the case file for this site, up to and including the October 8, 1995, ALL Environmental Inc., (AEI) "Tank Removal Report".

On December 13 and 14, 1995, I was on site to witness the overexcavation of the underground storage tank (UST) pit. Only soils which had detectable levels of petroleum hydrocarbons were removed using field screening methods, and visual and olfactory observations.

However, this office has not received a copy of the report documenting the over-excavation activities. **Therefore, please forward a copy of this soils over-excavation report to my attention within 30 days, or no later than June 7, 1996.**

Please be advised that this letter constitutes a formal request for technical reports pursuant to California Health & Safety Code (H&SC) Section 25185.6 and California Water Code Section 13267(b).

Sincerely,

Dale Klettke, CHMM
Hazardous Materials Specialist

c: Tom Peacock, LOP Manager--files
Gil Jensen, Alameda County District Attorneys Office
fa Craig Hertz, ALL Environmental, 2641 Crow Canyon Road, Suite 5, San Ramon, CA
94583

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



726 HARRISON ST.
OAKLAND, CA

RO#321

ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

STID 0039

February 2, 1996

Chan's Shell
726 Harrison Street
Oakland, CA 94507
Attn: Mr. Kin Chan

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

Dear Mr. Chan:

This letter is in response to a misunderstanding as a result of over-excavation activities following removal of five (5) underground storage tanks (USTs) at the above referenced site. The removal of the USTs was conducted on October 6 and 9, 1995, and was supervised by Barney Chan of this office. Initial plans were to over-excavate soils that contained concentrations of total petroleum hydrocarbons as gasoline (TPHg) which exceeded 100 parts per million (ppm), as documented in the ALL Environmental "Tank Removal Report", dated October 8, 1995. The soil samples collected from beneath the former gasoline tanks B & D (soil samples BE-15' and DE-15') detected concentrations exceeding 100 ppm of TPHg. These areas of contaminated soils were the ones initially targeted for the over-excavation activities, as documented in the Alameda County Health Care Services Agency (ACHCSA) letter, dated November 30, 1995.

During a conversation which I had with Barney Chan on December 12, 1995, Mr. Chan informed me that the over-excavation of the gasoline UST pit would need to be expanded, not just in the areas where analytical results detected concentrations of TPHg in excess of 100 ppm. This was due to conflicting results of the field screening tests and visual and olfactory observations of the soils and the laboratory results of the confirmatory soil samples collected during the removal of the USTs. Mr. Chan also requested that I have All Environmental use a different laboratory for the analysis of the confirmatory soil samples collected from the over-excavation of the gasoline UST pit.

Upon arriving on the site, I informed both yourself and Dusty Roy of All Environmental of the plans to over-excavate the soils in the entire tank pit, not just those which were analyzed to contain greater than 100 ppm TPHg, as stated above. These were recommendations which Mr. Barney Chan had requested, since he would eventually be responsible for signing off on case closure with the Regional Water Quality Control Board (RWQCB). I also asked Mr. Roy that he use a different laboratory for the laboratory analysis of the soil samples collected from the over-excavation of the gasoline UST pit.

I was on site during the two days (December 13 and 14, 1995) during which over-excavation activities were performed. I was directly involved in directing All Environmental as to the amount of soils which were to be over-excavated. We took great care to excavate only those soils which detected elevated levels of petroleum hydrocarbons using both field screening methods, and visual and olfactory observations.

Mr. Kin Chan
RE: 726 Harrison Street, Oakland
February 2, 1996
Page 2 of 2

I apologize for any misunderstandings that my November 30, 1995 letter may have caused. In the event that you any questions, please feel free to contact me directly at (510)567-6880.

Sincerely,



Dale Klettke, CHMM
Hazardous Materials Specialist

c: Tom Peacock, LOP Manager--files
Craig Hertz, ALL Environmental, 2641 Crow Canyon Road, Suite 5, San Ramon, CA
94583

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0321

RAFAT A. SHAHID, DIRECTOR

Alameda County Environmental Health Dept.
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577
(510)567-6700 fax: (510)337-9335

STID 0039

November 30, 1995

Chan's Shell
✓ 726 Harrison Street
Oakland, CA 94507

Dear Mr. Chan:

This office is in receipt of and has completed review of the case file for this site, up to and including the October 8, 1995 - ALL Environmental, Inc., (AEI) "Tank Removal Report".

AEI states that it plans on conducting over excavation of soil that contains concentrations of TPHg exceeding 100 ppm. The soil samples collected from beneath the former gasoline tanks B & D (soil samples BE-15' and DE-15') detected concentrations exceeding 100 ppm of TPHg. These areas of contaminated soils are the ones targeted for the over excavation activities.

Please proceed with the over excavation activities. Please notify this office at least 48 hours in advance of these activities, so I can schedule time to be on site.

Please feel free to call me directly at (510)567-6880 will any questions or comments you may have.

Sincerely,

Dale Klettke, CHHM
Hazardous Materials Specialist

c: Tom Peacock, Area Manager--files
Michael Killoran, ALL Environmental, 2641 Crow Canyon Road, Suite 5, San Ramon,
CA 94583

ALAMEDA COUNTY
HEALTH CARE SERVICES



R0321

RAFAEL A. SWANSON, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division

— 1131 Harbor Bay Pkwy, Room 250 —
Alameda CA 94502-6577 cc 430-451

Oct. 17, 1994

Kin Chan, Owner
Kin Chan Shell
✓ 726 Harrison St.
Oakland, Ca. 94607

Dear Mr. Chan,

We received copies of the tank tests performed on Sept. 15, 1994, at your gas station. The reports indicate that the 8,000 gal. unleaded underground tank failed the tank test. Also, on the report, there is a notation that a retest passed. However, we have not received a copy of the retest. I tried to call you but your answering machine was full. Please submit a copy of the retest within 7 days.

If you have any questions, please call me at 567-6746.

Sincerely,

A handwritten signature in cursive script that reads "Don Hwang".

Don Hwang
Hazardous Materials Specialist