

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SENT  
05-17-04

May 17, 2004

Mr. Mike Bowery  
Thrifty Oil Co.  
13116 Imperial Highway  
Santa Fe Springs, CA 90670-0138

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

Subject: Fuel Leak Case RO0000004, Former Thrifty Oil Co. Station #49, 3400 San Pablo Ave.,  
Oakland, CA 94608

Dear Mr. Bowery:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the subject site including the April 30, 2004 and May 7, 2004 Workplan for Additional Offsite Assessment. These reports respond to our office's March 19, 2004 letter requesting additional on and off-site soil and groundwater investigation. Our office generally concurs with the May 7, 2004 work plan, however, we request that you address the following technical comments when performing this work.

TECHNICAL COMMENTS

1. Though the soil borings are proposed to a depth of 20' bgs, the delineation of the vertical extent of soil and groundwater contamination should be your goal.
2. Please insure that the selected oxygenates scheduled for analysis include MTBE, TAME, ETBE, DIPE, and TBA. Please also verify that EDB has been analyzed at least once in the highest impacted well.
3. Additional monitoring wells should be considered in the proposed boring locations of SB-5 and SB-6 should soil and grab groundwater samples indicate significant petroleum contamination. In addition, should boring SB-5 detect contamination additional borings to the north should be considered. Our office understands that such contamination may be the result of an off-site source and therefore, you may be reluctant to perform this work. However, to minimize costs it would be advantageous for this investigation be performed at the same time as the proposed borings. Hopefully, an agreement with Shell Oil can be reached to allow this to happen. Our office recommends either moving the location of MW-10 slightly west, or advancing an additional boring there, a location more down-gradient to the impacted well on the adjacent Shell site.

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

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, D. Drogos

Ms. K. Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director

March 19, 2004



SENT  
CB-22-OK

Mr. Mike Bowery  
Thrifty Oil Co.  
13116 Imperial Highway  
Santa Fe Springs, CA 90670-0138

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

Subject: Fuel Leak Case RO0000004, Former Thrifty Oil Co. Station #49, 3400 San Pablo Ave.,  
Oakland, CA 94608

Dear Mr. Bowery:

Our office has reviewed the case file for the subject site including the October 21, 2003 Groundwater Production Well and Utility Conduit Survey and the March 11, 2004 Transmittal of Soil and Groundwater Data. Additional information is required to delineate the extent of the petroleum release from your site and evaluate the potential impact from the adjacent Shell Station at 3420 San Pablo Avenue. Please address the following technical comments and submit the technical report requested below.

TECHNICAL COMMENTS

1. One production well at 3516 Adeline St, 900' west of the site was identified in your receptor survey, 900' west of your site. In addition, sanitary sewer and storm drain lines were identified running north-south along San Pablo Ave. and running east-west along 34<sup>th</sup> Street. However, no specific conclusions were made regarding the potential impacts to or from these receptors. Please clarify and explain if additional information can be obtained.
2. Results from the March 11, 2004 Soil and Groundwater Data report indicate a significant TPHg, BTEX and MTBE release to groundwater in the southwest portion of the site. Based upon these results, additional investigation is required to determine the extent of the petroleum plume. Prior to installing off-site wells, we agreed that an investigation with temporary borings should be done to properly locate the new wells. To investigate the potential of contamination migrating from an off-site source, additional borings were proposed at locations near the property boundary of 3420 and 3400 San Pablo Ave.

TECHNICAL REPORT REQUEST

- April 20, 2004- Please submit a work plan to perform the on and off-site soil and groundwater investigation referenced above.

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

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, D. Drogos

Ms. Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810

3\_18\_04 3400SanPablo

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director.



07-06-04

January 6, 2004

Mr. Mike Bowery  
Thrifty Oil Co.  
13116 Imperial Highway  
Santa Fe Springs, CA 90670-0138

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

Subject: Fuel Leak Case RO0000004, Former Thrifty Oil Co. Station #49, 3400 San Pablo Ave.,  
Oakland, CA 94608

Dear Mr. Bowery:

Our office has received and reviewed the December 29, 2003 4<sup>th</sup> Quarter 2003, Status Report for the referenced property. Please address the following technical comments when performing future work at the site.

TECHNICAL COMMENTS

1. Please have your analytical laboratory exclude MTBE in your TPHg analysis. This will allow for better regulatory decision making and remove ambiguity in your analytical results.
2. Please clean out and redevelop RW-1. This well is reportedly partially filled with silt and unable to be sampled. Once cleaned out, please include this well in your sampling program.
3. As previously mentioned, the specific location and installation of an offsite well(s) should be held up until the results of the off-site borings is received and reviewed. Should the presence of elevated TPHg and MTBE be confirmed in MW-3, this area and down-gradient of this area, must also be evaluated and considered for remediation.
4. The presence of TPHg and MTBE in the upgradient well, MW-6, has not been explained. Please comment on these monitoring results and their potential source.

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

3400 SanPablo 1\_6\_04

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



08-07-03

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

August 7, 2003

Mr. Raymond Friedrichsen  
Thrifty Oil Co.  
13116 Imperial Highway  
Santa Fe Springs, CA 90670-0138

Subject: Fuel Leak Case RO0000004, Former Thrifty Oil Co. Station #49, 3400 San Pablo Ave.,  
Oakland, CA 94608

Dear Mr. Friedrichsen:

Our office has received and reviewed your August 6, 2003 fax requesting approval to abandon wells MW-2, MW-4 and RW. Our office previously approved these wells to be added to the existing remediation system. Because of the uncertainty of the quality of wells and therefore their effectiveness in the remediation system, you propose to replace these wells with new 4 inch extraction wells. Our office approves of this proposal.

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

Rptcwells3400SanPablo

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

June 24, 2003

Mr. Chris Panaitescu  
Thrifty Oil Co.  
13116 Imperial Highway  
Santa Fe Springs, CA 90670-0138

Subject: Fuel Leak Case RO0000004, Former Thrifty Oil Co. Station #49, 3400 San Pablo Ave.,  
Oakland, CA 94608

Dear Mr. Panaitescu:

Alameda County Environmental Health, Local Oversight Program (LOP) staff has received and reviewed the submitted May 23, 2003 Thrifty documents, which include the Workplan for Additional Site Assessment and Remedial System Upgrade (December 9, 2002), the Addendum to this work plan (February 28, 2003) and a copy of the ACHCA December 18, 2002 e mail from Eva Chu, of this office. We have also spoke with Mr. Ray Friedrichsen of your office. The following technical comments serve to clarify the anticipated future work at the referenced site.

Technical Comments

1. A preliminary conduit and well survey shall be performed for the site. This information shall be used to modify the current work plan addendum as warranted.
2. The proposal to upgrade the existing remediation system is approved. This includes redeveloping monitoring wells and installing new conveyance piping, hoses, pumps, blowers and carbon canisters. In the absence of free product, the product tank and oil water separator will not be needed in the system. The system will be expanded to include wells MW-2 and MW-4 in addition to RW-1.
3. A total of four (4) off-site borings will be advanced down-gradient of the site. Soil and groundwater samples will be collected from the borings and analyzed for TPHg, BTEX and MTBE and oxygenates. Those wells exhibiting petroleum contamination shall be considered for converting into a monitoring well, with a minimum of one well being installed.

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

2-3400SanPablo

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



May 21, 2003

Mr. Chris Panaitescu  
Thrifty Oil Co.  
13116 Imperial Highway  
Santa Fe Springs, CA 90670-0138

5/21/03

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

Subject: Fuel Leak Case RO0000004, Former Thrifty Oil Co. Station #49, 3400 San Pablo Ave.,  
Oakland, CA 94608

Dear Mr. Panaitescu:

Alameda County Environmental Health, Local Oversight Program (LOP) staff has reviewed the files for the referenced site and determined additional information is necessary to continue progress towards site closure. Our office recently spoke with Messrs. Friedrichsen and Higinbotham of Thrifty Oil regarding the existing remediation system and proposed work for the site. The work plan addendum sent to Ms. Eva Chu on February 28, 2003 in response to her review of Thrifty Oil's December 9, 2002 work plan is missing from our files. However, Ms. Chu did approve your proposal to connect MW-4 to the existing remediation system and the system's overhaul and upgrade in her August 27, 2002 letter to you. In a prior, August 9, 2002 letter, Ms. Chu also requested that you conduct a conduit and well survey and provide detailed geologic cross-section diagrams.

Technical Comments

1. The iso-concentration maps for TPHg, benzene and MTBE provided in your March 28, 2003 report do not provide enough data points to support their depictions. Please show how these iso-concentration maps are justified in light of the apparent lack of definition of the extent of the petroleum plume.
2. Please note that confirmation sampling will be required to verify the effectiveness of your remediation upon completion.

Technical Report Request

Please provide the following technical report to our office according the schedule noted.

- June 3, 2003- Provide copy of work plan addendum previously sent on 2/28/03 and the fax letter dated 12/18/03 referenced in your March 28, 2003 report. Initiate approved work plan addendum within 60 days of regulatory approval.
- June 23, 2003- Provide conduit and well survey
- July 29, 2003- Second quarter 2003 Groundwater Monitoring Report
- October 29, 2003- Third quarter 2003 Groundwater Monitoring Report
- January 29, 2004- Fourth quarter 2003 Groundwater Monitoring Report

You may contact me, your new case- worker, at (510) 567-6765 if you have any questions.

Sincerely,

  
Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, D. Drogos

1-3400SanPablo

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



8-28-02

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

RO0000004

August 27, 2002

Mr. Chris Panaitescu  
Thrifty Oil Co.  
13116 Imperial Highway  
Santa Fe Springs, CA 90670-0138

**RE: Upgrade of Remediation System at 3400 San Pablo Ave, Oakland, CA**

Dear Mr. Panaitescu:

I have completed review of Thrifty Oil Co.'s July 2002 *2<sup>nd</sup> Quarter 2002, Status Report and Proposal to Upgrade the Existing Remediation System* report prepared for the above referenced site. Thrifty's proposal to overhaul and upgrade the existing remediation system is acceptable.

The workplan for the delineation of the contaminant plume (as requested in August 9, 2002) and to upgrade the existing remediation system is **due by October 14, 2002**.

For the next sampling event, please run for ether oxygenates, TBA, and 1,2-DCA using Method 8260.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



8-12-02

RO0000004

August 9, 2002

Mr. Chris Panaitescu  
Thrifty Oil Co.  
13116 Imperial Highway  
Santa Fe Springs, CA 90670-0138

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

**RE: Additional Investigations at 3400 San Pablo Avenue, Oakland, CA**

Dear Mr. Panaitescu:

I have completed review of the case file for the above referenced site. Soil and groundwater samples collected at the site have confirmed the release of fuel hydrocarbons that has impacted both soil and groundwater. Since 1991, over one million gallons of groundwater was pumped, treated and discharged to the sanitary sewer. Approximately 1,100 tons of hydrocarbon-impacted soil was excavated and disposed. Currently, up to 36,500ug/l TPHg and 24,000ug/l MtBE is detected in groundwater monitoring well MW-4.

At this time additional investigations are required to better characterize the contaminant plume. A conduit and well survey and a minimum of one offsite monitoring well is required. In addition, geologic cross-sections depicting, at a minimum, residual soil contamination, UST, piping and utility locations, groundwater elevation, lithology, wells and their respective screen interval are required. Lastly, Thrifty's proposal to connect well MW-4 to the existing remediation system is acceptable.

A workplan for the delineation of the contaminant plume is due with 60 days of the date of this letter, **or by October 14, 2002.**

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R04

RAFAT A. SHAHID, Assistant Agency Director

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

October 14, 1993

Ms. Lori Freshour  
c/o Thrifty Oil Co.  
10000 Lakewood Blvd.,  
Downy, CA 90240

Subject: Five Year Underground Storage Tank Operating Permit for  
Thrifty Service Station #49, 3400 San Pablo Ave.,  
Oakland, CA 94608

Dear Ms. Freshour:

Enclosed you will find a five year permit to operate four (4) underground storage tanks at the above referenced facility. These are four single-walled steel tanks utilizing cathodic protection for corrosion protection. The alternative monitoring method is Statistical Inventory Reconciliation (SIR). The tanks are serviced by single-walled pressurized piping with electronic leak detection. To operate under a valid permit, you are required to comply with the conditions as described in Title 23, of the California Code of Regulations (CCR).

Any changes in the reported monitoring/leak detection system should be reported to this office with an accompanying State Form "B", attached.

It should be noted that the above facility is currently under investigation/remediation for unauthorized releases of petroleum products. The permit is issued **subject to** continued remediation of the facility. Failure to comply with the Local Oversight Program investigation will result in revocation of said permit.

Please consult Title 23, CCR, for any additional requirements. To obtain a copy of the Regulations, you may contact the State Water Resources Control Board at (916) 657-0971. This office may be reached at (510) 271-4320.

Sincerely,

A handwritten signature in cursive script that reads "Brian P. Oliva".

Brian P. Oliva, REHS, REA  
Hazardous Materials Specialist

cc: Edgar Howell, Chief, Division of Hazardous Materials  
Susan Hugo, Local Oversight Program

6.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R04

RAFAT A. SHAHID, Assistant Agency Director

December 28, 1992

Thrifty Oil Co.,  
10000 Lakewood Blvd.,  
Downey, CA 90240

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

Re: FIVE-YEAR PERMITS FOR OPERATION OF THREE  
UNDERGROUND STORAGE TANKS (UST's) AT 3400 San Pablo Ave., Oakland  
CA 94608

According to our records the above mentioned facility has not received a five-year permit to operate UST's. Please complete the following items marked below and return them to me within 30 days. The example plans enclosed should be used only as guidelines and may not meet your requirements under Title 23.

- ✓ 1. Complete UST PERMIT FORM A - one per facility. (enclosed)
- ✓ 2. Complete UST PERMIT FORM B - one per tank. (enclosed)
- 3. Complete UST PERMIT FORM C - one per tank if information is available. (enclosed)
- ✓ 4. A written tank monitoring plan. (enclosed)
- ✓ 5. Results of precision tank test(s) (initial and annual).
- ✓ 6. Results of precision pipeline leak detector tests (initial and annual).
- ✓ 7. An accurate and complete plot plan. (enclosed)
- ✓ 8. A written spill response plan. (enclosed)

Title 23 of the California Code of Regulation prohibits the operation of ANY UST without a permit. Please feel free to contact Brian P. Oliva at 510/271-4320 if you have any questions which may arise in completing the mandatory five year permit process.

Sincerely,

Brian P. Oliva, REHS, REA  
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney  
Rafat Shahid, Assistant Agency Director, Alameda County  
Department of Environmental Health  
Ed Howell/files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R04

19 July 1989

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415) 271-4320

Hal Hansen  
Delta Environmental Consultants, Inc.  
3330 Data Drive  
Rancho Cordova, CA 95670

Subject: Requested File Search concerning 3400 San Pablo Avenue,  
Oakland, CA 94608.

Dear Mr. Hansen:

Enclosed please find the boring logs and analytical data present in our files concerning the facility listed above. This information is being communicated to you as per your written request of 5 July, 1989.

This packet is limited to information available to this department and does not reflect information which may be accessible from other agencies or businesses involved with this property.

Please direct any further correspondence or questions which you may have regarding this matter to Dennis Byrne, Hazardous Materials Specialist, at (415) 271-4320.

Sincerely,

*Rafat A. Shahid*

Rafat A. Shahid, Chief,  
Hazardous Materials Division

RAS:DB

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

R04

12 July 1989

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415) 271-4320

Peter D'Amico  
Manager of Environmental Affairs  
Thrifty Oil Company  
10000 Lakewood Blvd.  
Downey, CA 90240

Subject: Remediation Plan for Station #049, 3400 San Pablo Ave,  
Oakland, 94608.

Dear Mr. D'Amico:

The remediation proposal submitted to our office concerning the location listed above has been reviewed and found acceptable. Approval is granted for the implementation of this plan.

A deposit of \$500.00, made payable to the County of Alameda, will be required from Thrifty Oil Company. This deposit is authorized by Section 3-141.6 of the Ordinance Code of the County of Alameda and is used to cover the expenses incurred by County personnel in their oversight duties. Records are maintained of the time County employees commit to a project and the deposit is charged at an hourly rate. Upon the completion of the project, the balance of the deposit will be returned to you.

If you have any questions concerning this matter, please contact, Dennis Byrne, Hazardous Materials Specialist, at (415) 271-4320.

Sincerely,

*Rafat A. Shahid*

Rafat A. Shahid, Chief,  
Hazardous Materials Division

RAS:DB

cc: Scott Huegenberger, SFBRWQCB  
Zane Robbins, Circle K Corporation  
4545 South Wendler St. Suite 105  
Tempe, AZ 85282