

Chan, Barney, Env. Health

From: Michael Bowery [Bowery@ThriftyOil.com]
Sent: Thursday, February 03, 2005 2:30 PM
To: Chan, Barney, Env. Health
Cc: Chris Panaitescu; MaryBeth Heydt
Subject: Encroachment Permitting for Thrifty #049

04

Dear Mr. Chan: I just wanted to provide an update regarding the encroachment permitting process for Thrifty #049 located at 3400 San Pablo Avenue, Oakland, CA. We submitted the signed and edited encroachment permit contract to the City of Oakland in November 2004. Our consultant checked with the City when we did not receive a response and was told they never received the permit application. We then faxed a copy of the edited permit to the City and were told they do not accept changes to their contract language. Thrifty feels very strongly that some of the language is very onerous and not acceptable to Thrifty. Our in-house counsel spoke with the City of Oakland contact, Mr. Jing Wong on February 3, 2005. Mr. Wong stated he would forward the edited encroachment permit contract to the City Attorney's office for review. I will keep you informed of our progress and will do everything possible to expedite the permit approval process. Should you have any questions, please send me an e-mail or call me at 562 921-3581 x404. Mike Bowery

2/4/2005

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

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

Mr. Mike Bowery
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. 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 34th 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

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

RO 4

STID #: _____ FACILITY NAME: FORMER THRIFTY OIL #49 PG. _____ OF _____

SUPPLEMENTAL FORM currently operated as ARCO

Present to observe geo probe borings (B1-B4)
Chris Miller of Advanced Geo Environmental

Site + Neighboring Properties

Monica Christian

380
Franklin
30th St

<u>RO 6</u>	<u>mwb</u>	<u>Baptist Church? RO131</u>
<u>Bld</u>	<u>Letter</u>	<u>FORMER</u>
<u>3420</u>		<u>GAS STATION</u>
<u>Shells</u>		<u>W/B AUTO DETAILING</u>
<u>mw</u>	<u>34th St</u>	<u>3314 San Pablo</u>
<u>34th St</u>	<u>B1</u>	<u>33rd St</u>
<u>34th St</u>	<u>B2</u>	

gradient
San Pablo Ave.

↑ N

Apparently Arco / Geller-Ryan also monitoring site
- working on B4 but all 3 other borings impacted
in soil & GW

PRINT NAME: _____ INSPECTED BY: B. Chan
 SIGNATURE: _____ DATE: 1/6/04

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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 4th 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



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

Rplcwells3400SanPablo

THRIFTY OIL CO.
GOLDEN WEST REFINING COMPANY

Ro 4

FACSIMILE TRANSMITTAL SHEET

TO: <u>Barney M. Chan</u>	FROM: <u>Raymond C. Friedrichsen</u>
COMPANY: <u>ACHCA</u>	DATE: <u>August 6, 2003</u>
FAX NUMBER: <u>(510) 337-9335</u>	TOTAL NO. OF PAGES INCLUDING COVER: <u>1</u>
PHONE NUMBER: <u>(510) 567-6700</u>	SENDER'S REFERENCE NUMBER: <u> </u>
RE: <u>Thrifty SS#049</u>	YOUR REFERENCE NUMBER: <u>01-1487</u>

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

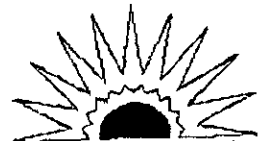
COMMENTS:

This fax is a follow-up to our telephone conversation on August 6, 2003 regarding Thrifty Station #049 located at 3400 San Pablo Avenue, Oakland. Thrifty requests to abandon three groundwater-monitoring wells MW-2, MW-4, and RW, because these wells have been installed in 1986 (MW-2) and 1988 (MW-4 and RW), and may not be conducive to the new system due to screen biofouling. These wells will be replaced with new 4-inch groundwater extraction wells (MW-2R, MW-4R, and RWR). Once these wells have been installed and developed, they will be connected to the newly proposed upgraded remediation system as extraction wells. Thrifty is in the process of preparing a scope of work to upgrade the remediation system and site assessment activities.

As per our telephone conversation, once Thrifty receives your approval of this request for well abandonment/installation activities, Thrifty will proceed with these activities.



13116 IMPERIAL HIGHWAY
SANTA FE SPRINGS, CA 90670
(562)921-3581 TEL (562)921-7510 FAX



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ALAMEDA COUNTY
HEALTH CARE SERVICESAGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
 ENVIRONMENTAL PROTECTION
 1131 Harbor Bay Parkway, Suite 250
 Alameda, CA 94502-6577
 (510) 567-8700
 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

Rplcwells3400SanPablo

STATE OF CALIFORNIA THE RESOURCES AGENCY

GRAY DAVIS, Governor

DEPARTMENT OF WATER RESOURCES

SAN JOAQUIN DISTRICT
3374 East Shields Avenue
Fresno, CA. 93728-6913
(559) 445-5443



Release of Information

Consultant

3400 San Pablo Ave, Oakland 94608

Project: Thrifty Oil #049

Contract Number: _____

Township, Range, Section _____

County: Alameda

Date: 7-28-03

Request is made for permission to inspect or copy Water Well Drillers Reports made pursuant to Section 13751 of the California Water Code, copies of which are on file in your office.

In consideration of such permission, it is stipulated and agreed that such reports, or any copy or copies made thereof, will not be made available for inspection by the public but will be used solely by this governmental agency for making studies, in accordance with the requirements of Section 13752 of the Water Code. If copies are made or taken, each copy will be stamped "CONFIDENTIAL" or "FOR OFFICIAL USE ONLY" and will be kept in a restricted file; access to which is limited to the staff of this agency or to its professional consultants. Upon completion of work, all copies furnished to consultants shall be returned to this agency.

Christopher R. Miller

Advanced GeoEnvironmental
Consultant

837 Shaw Rd
Address

Stockton, CA 95215
City, State & Zip Code

By [Signature]
Officer

Environmental Specialist
Title

209-467-1006
Telephone

Alameda County Environmental Health
Governmental Agency

1131 Harbor Bay Parkway
Address

Alameda CA 94502
City, State & Zip Code

By Barney Chan
Officer

Hazardous Materials Specialist
Title

510-567-6765
Telephone

510-337-9335 (Fax)

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
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07/28/2003 15:37 2094671118

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PAGE 01/01

STATE OF CALIFORNIA THE RESOURCE AGENCY

GRAY DAVIS, Governor

DEPARTMENT OF WATER RESOURCES

SAN JOAQUIN DISTRICT
3374 East Shields Avenue
Fresno, CA. 93728-8913
(559) 448-5443



Release of Information
Consultant

3400 San Pablo Ave, Oakland 94608

Project: Thrifty Oil #049

Contract Number: _____

Township, Range, Section _____

County: Alameda

Date: 7-28-03

Request is made for permission to inspect or copy Water Well Drillers Reports made pursuant to Section 13751 of the California Water Code, copies of which are on file in your office.

In consideration of such permission, it is stipulated and agreed that such reports, or any copy or copies made thereof, will not be made available for inspection by the public but will be used solely by this governmental agency for making studies, in accordance with the requirements of Section 13752 of the Water Code. If copies are made or taken, each copy will be stamped "CONFIDENTIAL" or "FOR OFFICIAL USE ONLY" and will be kept in a restricted file, access to which is limited to the staff of this agency or to its professional consultants. Upon completion of work, all copies furnished to consultants shall be returned to this agency.

Christopher R. Miller

Advanced GeoEnvironmental
Consultant

837 Shaw Rd
Address

Stockton, CA 95215
City, State & Zip Code

By: [Signature]

Alameda County Environmental Health
Governmental Agency

1131 Harbor Bay Parkway
Address

Alameda CA 94502
City, State & Zip Code

Barney Chan
By: Barney Chan

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

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 to 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



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 *2nd 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



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

RO0000004

August 9, 2002

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

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

THRIFTY OIL CO.

JUL 23 2002

July 15, 2002

O.29393

Ms. Eva Chu
Alameda County Health Care Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

RE: **Former Thrifty Oil Co. Station #049**
3400 San Pablo Avenue
Oakland, CA 94612
Requested Missing Reports and Documents

Dear Ms. Chu:

In response to your request, Please find enclosed the following copy of documents:

- Unauthorized release report confirmation letter prepared by Straw & Gilmartin on behalf of Thrifty Oil Co., dated September 30, 1986.
- Limited Subsurface Investigation prepared by Hydrotech Consultants, Inc. dated September 30, 1987.
- Baseline Subsurface Investigation Report prepared by Pacific Environmental Group, Inc. dated December 22, 1997.
- Underground Storage Tank Removal Report prepared by Pacific Environmental Group, Inc. dated August 24, 1998.

If you have any questions or comments, please contact Raymond C. Friedrichsen or myself at (562) 921-3581.

Sincerely,



Chris Panaitescu
General Manager
Environmental Affairs

c: BP West Coast Products LLP; Ms. Kateri Luka
File



13116 Imperial Highway, Santa Fe Springs, CA 90670-0138 • (562) 921-3581

Chu, Eva, Env. Health

From: Chu, Eva, Env. Health
Sent: Friday, June 28, 2002 3:26 PM
To: Chris Panaitescu (E-mail)
Subject: Thrifty Oil #049 at 3400 San Pablo Avenue, Oakland, CA

Hi Chris,

Here is an brief list of reports for the above referenced site that appear to be missing from our files:

- underground storage tank removal report(s),
- report summarizing the soil borings advanced in September 1987, and
- any other subsurface investigation reports completed between the years 1990 to January 2000.

Once I receive and review the missing reports, I will determine if:

- an unauthorized leak report was filed,
- a detail history of subsurface investigations completed to date is required,
- contaminant plume delineation in the down-gradient direction is required,
- geologic cross-sections are required, and
- conduit (man-made and natural) and water well survey are required.

In the meantime, the proposal to connect well MW-4 to the remediation system is acceptable. The reports requested are due within 45 days of the date of this memo (or by August 16, 2002). Thanks for your help.

eva chu

Hazardous Materials Specialist
1131 Harbor Bay Parkway
(510) 567-6762
(510) 337-9335 (fax)

THRIFTY OIL CO.

December 15, 1999

Mr. Tom Peacock
LOP Site Manager
Alameda County
Department of Environment Health
1131 Harbor Bay Parkway
Alameda, CA 94502

RE: Former Thrifty Oil Co. Station #049
3400 San Pablo Avenue
Oakland, CA 94612

RO 04

Former Thrifty Oil Co. Station #063
6125 Telegraph Avenue
Oakland, CA 94609


Dear Mr. Peacock:

Thrifty request that these sites be placed in the LOP program under the Alameda County Department of Environmental Health. Thrifty has remediation systems on both sites, and has been reporting to the system status to the Wastewater Control Representative, East Bay MUD, Source Control Division, Oakland, CA.

Each site has groundwater water monitoring wells installed and Thrifty has been monitoring these wells quarterly. Once you review this letter, please call me and I will provide your office with any information requested.

Please call me for any comments or request you may have at (562) 923-9876 or 921-3581.

Respectfully,


Raymond C. Friedrichsen
Project Manager
Senior Hydrogeologist



FAX TRANSMISSION

THRIFTY OIL/GOLDEN WEST
13539 E. FOSTER ROAD, P.O. BOX 2128
SANTA FE SPRINGS, CA 90670
(562) 923-9876
(562) 921-3581
FAX: (562) 921-7510

To: Robert Weston Date: Dec 15, 1999
Fax #: (516) 337-9335 Pages: 2 (including this cover sheet)
From: Ray Friedrichsen
Subject: Request sites be entered into LUP Program

COMMENTS: Thrifty Request these sites be placed
into the LUP program. Thrifty has been
sampling the site quarterly and will forward
any information requested by your office.

PLEASE NOTIFY Ray AT EXT. 376 SHOULD YOU HAVE ANY PROBLEMS
WITH THIS TRANSMISSION.

ALAMEDA COUNTY, DEPARTMENT OF
 ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

II, III

white -env.health
 yellow -facility
 pink -files

Site ID # _____ Site Name AMEO Today's Date 3/23/98

Site Address 3400 SAN PABLO
 City OAKLAND Zip 94608 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:
3 1/4 Hours
UST Removal 6 Photos Taken
STEVE CHAMBERS OFD, APPROVED REMOVAL @ 0%
LEL, 4-5 % O₂

PIPE SAFETY PLAN NOT ATTACHED TO, NOT SIGNED
BY ATTENDING WORKERS, REQUESTED CONNECTION
UC, HADLSON, ADAMS SERVICE, DID NOT HAVE
CURRENT WASTE REGISTRATION, REQUESTED TAXED
COPY

SITE ALREADY LOT. STOCK PILE AGREED TO BE
HAZ WASTE TO BE REMOVED UNDER MANIFESTATION
300 YDS. RAIN CAUSING POLLUTANT RUN OFF.
REQUESTED ADEQUATE TAMPING

PIT w/ OBVIOUS CONTAMINATION. 4 SAMPLES VOA'S
TAKEN. STOCK PILE COMPOSITE SAMPLES

II.A BUSINESS PLANS (Title 19)

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

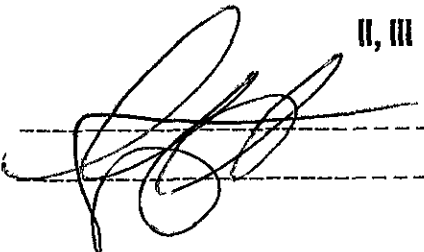
II.B ACUTELY HAZ. MAT'L'S

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25533(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) _____
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- | | |
|-------------------------------|---|
| General | <input type="checkbox"/> 1. Permit Application 25284 (H&S) |
| | <input type="checkbox"/> 2. Pipeline Leak Detection 25292 (H&S) |
| | <input type="checkbox"/> 3. Records Maintenance 2712 |
| | <input type="checkbox"/> 4. Release Report 2651 |
| | <input type="checkbox"/> 5. Closure Plans 2670 |
| Monitoring for Existing Tanks | <input type="checkbox"/> 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 _____ |
| New Tanks | <input type="checkbox"/> 7. Precip Tank Test 2643 |
| | Date: _____ |
| | <input type="checkbox"/> 8. Inventory Rec. 2644 |
| | <input type="checkbox"/> 9. Soil Testing 2646 |
| | <input type="checkbox"/> 10. Ground Water. 2647 |
| | <input type="checkbox"/> 11. Monitor Plan 2632 |
| | <input type="checkbox"/> 12. Access Secure 2634 |
| | <input type="checkbox"/> 13. Plans Submit 2711 |
| | Date: _____ |
| | <input type="checkbox"/> 14. As Built 2635 |
| Date: _____ | |

Contact: _____
 Title: _____
 Signature: _____

Inspector: _____
 Signature: 

II, III

STID
4057

Removed
3-23-98

EXISTING
9535/049



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A
COMPLETE THIS FORM FOR EACH FACILITY/SITE

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

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

DBA OR FACILITY NAME ARCO Facility # 9535	NAME OF OPERATOR PRESTIGE STATIONS, INC.		
ADDRESS 3400 SAN PABLO AVENUE	NEAREST CROSS STREET 34TH	PARCEL # (OPTIONAL)	
CITY NAME OAKLAND	STATE CA	ZIP CODE 94612	SITE PHONE # WITH AREA CODE (510) 547-9003
<input checked="" type="checkbox"/> BOX TO INDICATE <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY* <input type="checkbox"/> STATE-AGENCY* <input type="checkbox"/> FEDERAL-AGENCY*			
* If owner of UST is a public agency, complete the following: name of supervisor of division, section or office which operates the UST _____			
TYPE OF BUSINESS	<input checked="" type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input type="checkbox"/> 5 OTHER	<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE 4 E. P. A. I. D. # (optional) CA 61630

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) MASON, JUDY	PHONE # WITH AREA CODE (714) 670-5402	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME THRIFTY OIL CO	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 10000 HALEWOOD BLVD.	<input checked="" type="checkbox"/> box to indicate <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME DOWNEY	STATE CA	ZIP CODE 90240	PHONE # WITH AREA CODE (310) 923-9876

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER ARCO PRODUCTS CO	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS P.O. Box 6038	<input checked="" type="checkbox"/> box to indicate <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME ARTESIA	STATE CA	ZIP CODE 90702	PHONE # WITH AREA CODE (714) 670-5402

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ

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

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 7 STATE FUND
	<input type="checkbox"/> 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER	<input type="checkbox"/> 9 STATE FUND & CERTIFICATE OF DEPOSIT	<input type="checkbox"/> 10 LOCAL GOVT. MECHANISM	<input type="checkbox"/> 99 OTHER _____			

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

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

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

TANK OWNER'S NAME (PRINTED & SIGNATURE) JEFF VAN RIPER	TANK OWNER'S TITLE PROJECT MANAGER	DATE 9/18/97
--	--	------------------------

LOCAL AGENCY USE ONLY

COUNTY # <input type="text" value="01"/>	JURISDICTION # <input type="text" value="000"/>	FACILITY # <input type="text" value="004715"/>	5/7/98
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPERVISOR - DISTRICT CODE - OPTIONAL	

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

REMOVED 3-23-98
AL

EXISTING
9535



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

#4057

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input checked="" type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE	<input checked="" type="checkbox"/> 8 TANK REMOVED
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DBA OR FACILITY NAME WHERE TANK IS INSTALLED: ARCO FAC. # 9535

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

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS: <u>6,000</u>

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

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input checked="" type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 1c MIDGRADE UNLEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 8 M85
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED			C. A. S. #:		

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

A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 5 INTERNAL BLADDER SYSTEM	<input type="checkbox"/> 95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SINGLE WALL IN A VAULT	<input type="checkbox"/> 99 OTHER	
B. TANK MATERIAL (Primary Tank)	<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
C. INTERIOR LINING OR COATING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING	<input type="checkbox"/> 4 PHENOLIC LINING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___				
D. EXTERIOR CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____				
DROP TUBE YES ___ NO ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO ___				

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

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

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 MANUAL INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING	<input type="checkbox"/> 6 ANNUAL TANK TESTING
<input type="checkbox"/> 7 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 8 SIR	<input type="checkbox"/> 9 WEEKLY MANUAL TANK GAUGING	<input type="checkbox"/> 10 MONTHLY TANK TESTING	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

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

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
---	--	--

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


TANK OWNER'S NAME (PRINTED & SIGNATURE) JEFF VAN RIPER DATE 9/18/97

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY # <u>01</u>	JURISDICTION #	FACILITY # <u>004915</u>	TANK # <u>000001</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

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

Removed 3-23-98
AL

EXISTING
9535


STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

#4057

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

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

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: ARCO FAC. #9535

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

A. OWNER'S TANK I.D. #	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS: <u>8000</u>

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

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input checked="" type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 2 LEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 8 M85
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED					C. A. S. #:

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

A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 5 INTERNAL BLADDER SYSTEM	<input type="checkbox"/> 95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SINGLE WALL IN A VAULT	<input type="checkbox"/> 99 OTHER	
B. TANK MATERIAL (Primary Tank)	<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
C. INTERIOR LINING OR COATING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING	<input type="checkbox"/> 4 PHENOLIC LINING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___				
D. EXTERIOR CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____ DROP TUBE YES ___ NO ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO ___				

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

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

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 MANUAL INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING	<input type="checkbox"/> 6 ANNUAL TANK TESTING
<input type="checkbox"/> 7 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 8 SIR	<input type="checkbox"/> 9 WEEKLY MANUAL TANK GAUGING	<input type="checkbox"/> 10 MONTHLY TANK TESTING	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

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

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
---	--	--

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

TANK OWNER'S NAME (PRINTED & SIGNATURE) JEFF VAN RIPER DATE 9/18/97

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	<u>01</u>		<u>004715</u>	<u>000002</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

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

REMOVED 3-23-98
AL

EXISTING
9535



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

#4057

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

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

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: ARCO FAC. #9535

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

A. OWNER'S TANK I. D. #	B. MANUFACTURED BY
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS: <u>10,000</u>

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

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input checked="" type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 1c MIDGRADE UNLEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 8 M85
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED			C. A. S. #:		

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

A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 5 INTERNAL BLADDER SYSTEM	<input type="checkbox"/> 95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SINGLE WALL IN A VAULT	<input type="checkbox"/> 99 OTHER	
B. TANK MATERIAL (Primary Tank)	<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
C. INTERIOR LINING OR COATING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING	<input type="checkbox"/> 4 PHENOLIC LINING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___				
D. EXTERIOR CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL, etc.	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____	
	DROP TUBE YES ___ NO ___		STRIKER PLATE YES ___ NO ___	
			DISPENSER CONTAINMENT YES ___ NO ___	

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

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

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 MANUAL INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING	<input type="checkbox"/> 6 ANNUAL TANK TESTING
<input type="checkbox"/> 7 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 8 SIR	<input type="checkbox"/> 9 WEEKLY MANUAL TANK GAUGING	<input type="checkbox"/> 10 MONTHLY TANK TESTING	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

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

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
---	--	--

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

TANK OWNER'S NAME (PRINTED & SIGNATURE) JEFF VAN RIPER DATE 9/18/97

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	<u>01</u>		<u>004715</u>	<u>000003</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

REMOVED 3-23-98
AL

EXISTING
9535



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

#4057

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

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

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: ARCO FAC # 9535

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

A. OWNER'S TANK I D #	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS: <u>12,000</u>

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

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input checked="" type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 1c MIDGRADE UNLEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 8 M85
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED			C. A. S. #:		

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

A. TYPE OF SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 5 INTERNAL BLADDER SYSTEM	<input type="checkbox"/> 95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SINGLE WALL IN A VAULT	<input type="checkbox"/> 99 OTHER	
B. TANK MATERIAL (Primary Tank)	<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
C. INTERIOR LINING OR COATING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING	<input type="checkbox"/> 4 PHENOLIC LINING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___				
D. EXTERIOR CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 91 NONE	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL, etc.	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____	
	DROPP TUBE YES ___ NO ___		STRIKER PLATE YES ___ NO ___	
			DISPENSER CONTAINMENT YES ___ NO <input checked="" type="checkbox"/>	

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

A. SYSTEM TYPE	A U 1 SUCTION	A <u>U</u> 2 PRESSURE	A U 3 GRAVITY	A U 4 FLEXIBLE PIPING	A U 99 OTHER
B. CONSTRUCTION	A <u>U</u> 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
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	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A <u>U</u> 95 UNKNOWN	A U 99 OTHER	
D. LEAK DETECTION	<input type="checkbox"/> 1 MECHANICAL LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 4 ELECTRONIC LINE LEAK DETECTOR	<input type="checkbox"/> 5 AUTOMATIC PUMP SHUTDOWN
	<input type="checkbox"/> 99 OTHER				

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 MANUAL INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING	<input type="checkbox"/> 6 ANNUAL TANK TESTING
<input type="checkbox"/> 7 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 8 SIR	<input type="checkbox"/> 9 WEEKLY MANUAL TANK GAUGING	<input type="checkbox"/> 10 MONTHLY TANK TESTING	<input checked="" type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

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

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
---	--	--

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

TANK OWNER'S NAME (PRINTED & SIGNATURE) JEFF VAN RIPER DATE 9/18/97

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	<u>01</u>		<u>004715</u>	<u>00004</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

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



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) 227-4307
FAX (916) 227-4530

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



Pete Wilson
Governor

RECEIVED
PROSECUTION
98 JAN 16 AM 9:26

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JAN 13 1998

Patrick Delaney
Thrifty Oil Company
13539 Foster Rd E
Santa Fe Springs, CA 90670

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 2115, FOR SITE
ADDRESS: 3400 SAN PABLO AVE, OAKLAND 94608

The State Water Resources Control Board (State Board) is able to issue, pursuant to applicable regulations, the enclosed Letter of Commitment (LOC) in an amount not to exceed \$140,000. This LOC is based upon our review of the corrective action costs you reported to have incurred to date. The LOC may be modified by the State Board.

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

Consequently, if you do not submit your first reimbursement request for corrective action costs which you have incurred within ninety (90) calendar days from the date of this letter, your funds will automatically be deobligated. Once deobligated, any future funds for this site will be obligated subject to availability of funds at such time when we receive your reimbursement request.

You are reminded that you must comply with all regulatory agency time schedules and requirements and you must obtain three bids for any required corrective action. Only corrective action costs *required* by the regulatory agency to protect human health, safety and the environment can be claimed for reimbursement. **Unless waived in writing, you are required to obtain preapproval of costs for all future corrective action work (form enclosed).** If you have any questions on obtaining preapproval of your costs or the three bid requirement, please call Steve Marquez, our Technical Reviewer assigned to claims in your Region, at (916) 227-0746. Failure to obtain preapproval of your future costs may result in the costs not being reimbursed.

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

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



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.


JAN 13 1998

- "Bid Summary Sheet" to list information on bids received which must be completed and returned.
- "Reimbursement Request" forms which you must use to request reimbursement of costs incurred.
- "Spreadsheet" forms which you must use in conjunction with your reimbursement request.
- "Claimant Data Record" (Std. Form 204) which must be completed and returned with your first reimbursement request.

We continuously review the status of all active claims. If you do not submit a reimbursement request or fail to proceed with due diligence with the cleanup, we will take steps to withdraw your LOC.

If you have any questions regarding the enclosed documents, please contact Anna Torres at (916) 227-4388.

Sincerely,



Dave Deane, Manager
UST Cleanup Fund Program

Enclosures

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



DETAILED REVIEW CHECKLIST

Page 3

3400 San Pablo Ave. Oakland

Claim No.:

2115

Claimant Name:

Shupfy Oil

DATE	ACTION/RESPONSE
8/86	A 10K gal gas UST failed a petro-tite test. Tank was retested that same month and tested tight. A pit assessment investigation was also conducted. Six soil boring advanced, 3 MWs installed.
9/86	County approved proposal for pit assessment.
12/86	Woodward Clyde conducted subsurface assessment
2/87	Cl submitted a proposed Remediation Plan (Woodward-Clyde)
9/30/87	Hydrotech Consultants Limited Subsurface Investigation prepared for Shupfy Oil
3/19/87	Ltr to County from Woodward Clyde confirming that the County does not require periodic written progress reports on the investigation. County just wants to be informed of any plans for Remediation and a periodic update once the recovery systems are in operation.
4/1/89	Shupfy progress report on Well Monitoring and Product Recovery prepared
1989	County approved a workplan for groundwater Remediation.
1994	Free product was removed on a regular basis. Site placed in LOP.
11/9/97	No reports since 1989 in County's file. Per case worker, case has been on back burner.

Advance four borings and install four monitoring wells.

Continued on Reverse



Claimant in Corrective Action Compliance



Claimant NOT in Corrective Action Compliance at the Time of this Review - 90 Day Letter Required



Claimant NOT In Corrective Action Compliance - Recommend Rejection

LEAD AGENCY SIGNATURE

Susan L. Hugo
Cheryl Gordon

CLAIMS REVIEWER SIGNATURE

12/15/97

DATE

12/15/97

DATE

DETAILED REVIEW CHECKLIST

Page 2

3400 San Pablo Ave. Oakland

Claim No.: 2115 Claimant Name: Murphy Oil

Priority Class A - Home Heating Oil			
Small Home Heating Oil Tank			
Residence owner-occupied/Single			
Tank capacity 1,100 gallons or less			
Not used for agricultural after 1/1/80			
Not a Farm Tank - No Permit Req.			
Priority Class A - Petroleum			
Site used exclusively for residential			
Residence owner-occupied/Single			
Residence owner-occupied by Clerk			
Not a Farm Tank - Permit Required			
Priority Class B - Small Business			
Financial Review Approval			
Priority Class B - Gov. Entity/Non-Profit			
City, County, District, Non-Profit			
Financial Review Approval			
Priority Class C - Other Business			
Number of Employees Less Than 500			
Priority Class C - Gov. Entity/Non-Profit			
City, County, District, Non-Profit			
Number of Employees Less Than 500			
Priority Class D - All Others			

Post-it® Fax Note 7871 Date 12/15 # of pages 3

To Susan Hugo From Cheryl Gordon
 Alameda Health Co Cleanup Fund
 Phone # (510) 227-4539
 Fax (510) 337-9335 (510) 227-4530

ISSUES AND COMMENTS:

How was condemnation discovered? Tank testing 1988 Circle K began operating at the site. Site is currently operating as an ARCO Station

5/91 inspection: 3 U.S. - No records for tank permits available, no daily inventory reconciliation

There is a current 5-year permit on file as of 10/93

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

Project Specialist

ACCEPTED

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

These closure/removal plans have been reviewed and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.
One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.
Any changes or alterations of these plans and specifications must be submitted to the Department and to the Fire and Building Inspectors Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following required inspections:

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

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

Genetic Specialist:

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

AS
12/19/97

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Name of Business ARCO
Business Owner or Contact Person (PRINT) Peter D'Amico
2. Site Address 3400 San Pablo Ave
city Oakland zip 94612 Phone _____
3. Mailing Address 4 Center Pointe Dr
city La Palma Ca. zip 90623 Phone 714-670-5307
4. Property Owner THIRTY OIL CO.
Business Name (if applicable) _____
Address 10,000 LAKWOOD BLVD.
city, state DOWNEY CAL zip 90240
5. Generator name under which tank will be manifested
ARCO
EPA ID# under which tank will be manifested CA 6000161630

6. Contractor K.F. Curtis Const Co
Address 1400 Old Conejo Rd
City Newbury Park Ca 91320 Phone 510 247 9591
License Type* A-B-C8-HAZ-C21 ID# 293700

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

7. Consultant (if applicable) Pacific Environmental Group
Address 2025 Gateway Place 5440
City, State San Jose Ca 95110 Phone 408 441 7500

8. Main Contact Person for Investigation (if applicable)
Name Doug Andrews Title Project Geologist
Company Pacific Environmental Group -
Phone 408-441-7500

9. Number of underground tanks being closed with this plan 4
Length of piping being removed under this plan 100'
Total number of underground tanks at this facility (**confirmed wit owner or operator) 4

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

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

a) Product/Residual Sludge/Rinsate Transporter
Name Adams Services EPA I.D. No. CAL922125668
Hauler License No. 3216 License Exp. Date 11/30/98
Address 406 E. Alondra Blvd
City Gardena State Ca Zip 90248

b) Product/Residual Sludge/Rinsate Disposal Site
Name De Menno/Kerdoon EPA ID# CAT080013352
Address 3650 E 26th St
City Vernon State Ca Zip 90023

c) Tank and Piping Transporter *Same as 10. a) and*
Name H.E. EPA I.D. No. CAD 982495608
Hauler License No. 2946 License Exp. Date 12/31/97
Address P.O. Box 5337
City Bakersfield State Ca Zip 93388

d) Tank and Piping Disposal Site
Name De Menno/Kerdoon EPA I.D. No. CAT080013352
Address 3650 E 26th St
City Verdugo State Ca Zip 90023

11. Sample Collector
Name Doug Andrews
Company Pacific Environmental Group
Address 2025 Gateway Place 5440
City San Jose State Ca Zip 95710 Phone 408 441 7500

12. Laboratory
Name Del Mar Analytical
Address 16525 Sherman Way 5 C-11
City Van Nuys State Ca Zip 91406
State Certification No. 1855

13. Have tanks or pipes leaked in the past? Yes No Unknown
If yes, describe: _____

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

Pump out liquid from tanks, wash out to remove sludge and inert with dry ice.

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

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

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

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
12,000	Current	Soil	2' Under tank bottom at both ends & middle
12,000	"	"	"
12,000	"	"	"
12,000	"	"	"

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

Excavated/Stockpiled Soil

<p>Stockpiled Soil Volume (estimated)</p> <p>400 Cu Yds</p>	<p>Sampling Plan:</p> <p>4 composite samples for every 100 Cu Yds</p>
--	--

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

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

If yes, explain reasoning _____

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

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

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

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
TPH-Gasoline Benzine Toluene Ethyl Benzine Xylene M.T.B.E.	Soil: No Preservative used Ground Water: Samples Transported on ice	EPA Method 8015 & 8020	0.050 MG/K 0.005 MG/K

Name of Insurer Calis Comp

- 19. Submit Plot Plan ***** (See Instructions) *****
- 20. Enclose Deposit (See Instructions)
- 21. Report any leaks or contamination to this office within 5 days of discovery. The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.
- 22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.
- 23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

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

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

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

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

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

CONTRACTOR INFORMATION

Name of Business K E Curtis Construction Co

Name of Individual Dick Burge

Signature D to Burge Date 11/18/97

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business ARCO

Name of Individual PETER D'Amico

Signature Peter D'Amico Date 12-1-97

2400 So. Pablo

General Instructions

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

Line Item Specific Instructions2. SITE ADDRESS

Address at which closure is taking place.

5. EPA I.D. NO. under which the tanks will be manifested

EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781.

6. CONTRACTOR

Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

- a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
- c) Tanks must be hauled as hazardous waste.
- d) This is the place where tanks will be taken for cleaning.

15. TANK HISTORY AND SAMPLING INFORMATION

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

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

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

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

17. SITE HEALTH AND SAFETY PLAN

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

- a) The name and responsibilities of the site health and safety officer;
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
- c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;
- d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;
- e) Description of the work habit changes triggered by the above action levels or physical conditions;
- f) Frequency and types of air and personnel monitoring - along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
- g) Confined space entry procedures (if applicable);
- h) Decontamination procedures;
- i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
- j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
- k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
- l) A page for employees to sign acknowledging that they have read and will comply with the site health and safety plan.

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

19. PLOT PLAN

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

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tank(s) and piping in addition to the tank(s) being removed.

20. DEPOSIT

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

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

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.

- c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Detailed description of sampling methods; i.e. backhoe bucket, drive sampler, bailer, bottle(s), sleeves
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDf to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Documentation of the disposal of/and volume and final destination of all non-manifested contaminated soil disposed offsite.

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR
UNDERGROUND TANK LEAKS

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

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

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

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.
3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.
6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.
9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

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

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

ROUTINE

≤ 10 ppm (42%)
≤ 5 ppm (19%)
≤ 1 ppm (35%)

MODIFIED PROTOCOL

≤ 10 ppm (10%)
≤ 5 ppm (21%)
≤ 1 ppm (60%)

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

- LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.
- IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

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

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

4 EPILOGUE

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

DECLARATION OF SITE ACCOUNT REFUND RECIPIENT

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

SITE INFORMATION:

61630
Site ID Number
(if known)

Thrusty Oil (Arco) Facility # 9535
Name of Site

3400 San Pablo Ave
Street Address

Oakland Ca 94612
City, State & Zip Code

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

HE Curtis Construction Co
Name

1400 Old Conejo Rd
Street Address

Newbury Park Ca 91320
City, State & Zip Code

R H Bunge
Signature of Payor

11/18/97
Date

Dick Bunge
Name of Payor
(PLEASE PRINT CLEARLY)

HE Curtis Const. Co.
Company Name of Payor

RETURN FORM TO:

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

LOP - RECORD CHANGE REQUEST FORM

printed:
04/28/94

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

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 4057
 SITE NAME: Circle K Service Station DATE REPORTED : 10/02/86
 ADDRESS : 3400 San Pablo Ave DATE CONFIRMED: 10/02/86
 CITY/ZIP : Oakland 94608 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: G CONTRACT STATUS: 3 PRIOR CODE:2B3 EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 04/28/94
 PRELIMINARY ASMNT: DATE UNDERWAY: DATE COMPLETED:
 REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED:
 REMEDIAL ACTION: DATE UNDERWAY: DATE COMPLETED:
 POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 04/28/94
 LUFT FIELD MANUAL CONSID: HSCAWG
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Mr. Peter D'amico
 COMPANY NAME: Thrifty Oil Company
 ADDRESS: 10000 Lakewood Blvd.
 CITY/STATE: Downey, California 90240

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only Case Progress Changes

ANPPGMS _____ LOP _____ DATE _____ LOP _____ DATE _____

Okin, Inc.
10,000 S. Lakewood Bl. Downey CA
90240

DATE: 3/16/94

TO : Local Oversight Program

FROM: SUSAN

SUBJ: Transfer of Eligible Oversight Case

#4057

CIRCLE K

Site name: ~~THRIFTY OIL~~ RD. SERVICE STATION

Address: 3400 San Pablo Ave. city Oakland zip 94608

Closure plan attached? Y N DepRef remaining \$ _____

DepRef Project # NA STID #(if any) _____

Number of Tanks: _____ removed? Y N Date of removal _____

Leak Report filed? Y N Date of Discovery _____

Samples received? Y N Contamination: _____

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

Monitoring wells on site _____ Monitoring schedule? Y N

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

Briefly describe the following:

Preliminary Assessment _____

Remedial Action _____

Post Remedial Action Monitoring _____

Enforcement Action _____

2/13/90

Thrifty Oil Co.

STATION NO. 049
3400 San Pablo Avenue
Oakland, CA
Alameda County 01
I.D.

I. ACTIONS TAKEN DURING PREVIOUS QUARTER
(October, November & December)

Woodward-Clyde consultant in process of installing remediation system as approved by the Alameda County Health Care Services on July 12, 1989.

II. ACTIONS PLANNED FOR NEXT QUARTER
(January, February & March, 1990)

Complete installation of remediation system with start up and system in full operation during this quarter pending procurement of all required permits.

THRIFTY OIL CO.

January 15, 1990

*Two addresses
zip codes*

Mr. Steven R. Ritchie
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6000
Oakland, CA 94607

94608

94609

Susan and Dennis

RE: Fuel Leaks Region 2
Your File No. 1123.64 (PWJ)

Dear Mr. Ritchie,

Enclosed please find updated status information relative to the thirteen (13) locations owned by Thrifty Oil Co. A copy of each report will be sent to a local agency as indicated on the enclosed attachment "A".

Please contact me if you have any questions or require more information related to this project.

Very truly yours,

Peter D'Amico
Manager
Environmental Affairs

PD/HAP/cab
Enclosures

cc: David Drury, Santa Clara Valley Water District (W/Enc.)
Rafat Shahid, County of Alameda (W/Enc.)
Steve Faelz, City of Hayward (W/Enc.)
Joe Afong, City of San Jose (W/Enc.)
Rubin Grijalva, City of Sunnyvale (W/Enc.)
Michael S. Young, Campbell Fire Department (W/Enc.)



see Dennis Emeryville

STATION NO. 049
3400 San Pablo Avenue
Oakland, CA
Alameda County 01
I.D.

Circle K
94608

I. ACTIONS TAKEN DURING PREVIOUS QUARTER
(October, November & December)

Woodward-Clyde consultant in process of installing remediation system as approved by the Alameda County Health Care Services on July 12, 1989.

II. ACTIONS PLANNED FOR NEXT QUARTER
(January, February & March, 1990)

Complete installation of remediation system with start up and system in full operation during this quarter pending procurement of all required permits.

STATION NO. 063
6125 Telegraph Ave.
Oakland, CA 94603
Alameda County 01
I.D.

Circle K
94609

I. ACTIONS TAKEN DURING PREVIOUS QUARTER
(October, November & December)

Woodward-Clyde Consultants in process of installing groundwater remediation system.

II. ACTIONS PLANNED FOR NEXT QUARTER
(January, February & March, 1990)

Complete installation of remediation system with start up and system in full operation during this quarter pending resolvemnts of wastewater discharge and procurement of all required permits.

to 11-6-89
RW & CB

01-1478

STATION NO. 049
3400 San Pablo Avenue
Oakland, CA
Alameda County 01
I. D. #

I. ACTIONS TAKEN DURING PREVIOUS QUARTER (July, August & September)

Thrifty Oil Co. issued a contract to Woodward-Clyde on September 12, 1989 to install the Groundwater Remediation system as approved by the Alameda County Health Care Services on July 12, 1989.

II. ACTIONS PLANNED FOR NEXT QUARTER (October, November & December)

Proceed to obtain necessary approvals and the required permits to install recovery well and the remediation system.

THRIFTY OIL CO.

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS
9.15.89

September 6, 1989

Mr. Steven R. Ritchie
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6000
Oakland, CA 94607

RE: Fuel Leaks Region 2
Your File No. 1123.64 (PWJ)

Dear Mr. Ritchie,

Enclosed please find updated status information relative to the thirteen (13) locations owned by Thrifty Oil Co. A copy of each report will be sent to local agency as indicated on the enclosed attachment "A".

Please contact me if you have any questions or require more information related to this project.

Very truly yours,



Peter D'Amico
Manager
Environmental Affairs

PD/HAP/dmt
Enclosures

cc: David Drury, Santa Clara Valley Water District (W/Enc.)
Rafat Shahid, County of Alameda (W/Enc.)
Steve Faelz, City of Hayward (W/Enc.)
Joe Afong, City of San Jose (W/Enc.)
Rubin Grijalva, City of Sunnyvale (W/Enc.)
Michael S. Young, Campbell Fire Department (W/Enc.)



STATION NO. 049
3400 San Pablo Avenue
Oakland, CA
Alameda County 01
I. D. #

I. ACTIONS TAKEN DURING PREVIOUS QUARTER (April, May & June)

On July 12, 1989 the agency, Alameda County Health Care Services (ACHCS) approved the remediation plan as submitted on April 4, 1989. A payment of \$500.00 was made to ACHCS for expenses in their oversight duties. Our consultant, Woodward-Clyde, is removing free product on a regular basis.

II. ACTIONS PLANNED FOR NEXT QUARTER (July, August & September)

Thrifty Oil Co. negotiated and finalized contract with Woodward-Clyde consultants to proceed with procurement of required permits to complete installation of their remediation system. Continue to remove free product pending installation of remediation system.

STATION NO. 063
6125 Telegraph Avenue
Oakland, CA 94603
Alameda County 01
I. D. #

I. ACTIONS TAKEN DURING PREVIOUS QUARTER (April, May & June)

Woodward-Clyde Consultants monitoring wells with manual removal of free product.

II. ACTIONS PLANNED FOR NEXT QUARTER (July, August & September)

Woodward-Clyde Consultants working on design and permits for groundwater remediation system pending resolvment of wastewater discharge.

STATION NO. 049
3400 San Pablo Avenue
Oakland, CA 94608
Alameda County 01
I. D. #

I. ACTIONS TAKEN DURING PREVIOUS QUARTER (July, August & September)

Thrifty Oil Co. issued a contract to Woodward-Clyde on September 12, 1989 to install the Groundwater Remediation system as approved by the Alameda County Health Care Services on July 12, 1989.

II. ACTIONS PLANNED FOR NEXT QUARTER (October, November & December)

Proceed to obtain necessary approvals and the required permits to install recovery well and the remediation system.

THRIFTY OIL CO.

Project # U552831
Fee Paid \$ 500.00
Date 7/26/89

July 20, 1989

Dennis Byrne
Alameda County
Environmental Health Services
80 Swan Way
Oakland, CA 94621

RE: Thrifty Oil Co. Station #049
3400 San Pablo Avenue
Oakland, Ca 94608

Dear Mr. Byrne,

In compliance with your letter of July 12, 1989, relative to the Remediation Plan approved for the above referenced location, enclosed please find Thrifty Oil Co.'s check #059271 in the amount of \$500.00.

If any other information is required concerning the remediation system please contact me.

Very truly yours,



Peter D'Amico
Manager
Environmental Affairs

PD/dmt
Enclosure

cc: Scott Hugenberger, R.W.Q.C.B. - San Francisco Bay Region (W/Enc.)





THRIFTY OIL CO.

Manufacturers Hanover Bank (Delaware)
919 Market Street
Wilmington, Delaware 19801

82-26
311

394-09

10000 Lakewood Blvd., Downey, CA 90240
(213) 923-9876

DATE 7/19/89 CHECK NO. 059271

059271

AMOUNT \$500.00

PAY FIVE HUNDRED DOLLARS & 00/100 -----

TO THE ORDER OF ALAMADA COUNTY HEALTH CARE SERVICES
80 SWAN WAY
ROOM 200
OAKLAND, CA 94632

BY *[Signature]* THRIFTY OIL CO.

⑈059271⑈ ⑆031100267⑆ 6301403949 509⑈

VENDOR	DOC. NO.	INVOICE DATE	INVOICE NO.	GROSS AMOUNT	DISCOUNT	NET AMOUNT	STATION NO.
ALAMEDA CO HEALTH CARE		7/17/89		500.00		500.00	900

0049-6220-0020

VENDOR NO.

059271

500.00

CHECK NO.

TOTAL NET AMOUNT

THRIFTY OIL CO.
DOWNEY, CA 90240

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



12 July 1989

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

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

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

01-1478

STATION NO. 049
3400 San Pablo Avenue
Oakland, CA
Alameda County 01
I. D. #

I. ACTIONS TAKEN DURING PREVIOUS QUARTER (April, May & June)

On July 12, 1989 the agency, Alameda County Health Care Services (ACHCS) approved the remediation plan as submitted on April 4, 1989. A payment of \$500.00 was made to ACHCS for expenses in their oversight duties. Our consultant, Woodward-Clyde, is removing free product on a regular basis.

II. ACTIONS PLANNED FOR NEXT QUARTER (July, August & September)

Thrifty Oil Co. negotiated and finalized contract with Woodward-Clyde consultants to proceed with procurement of required permits to complete installation of their remediation system. Continue to remove free product pending installation of remediation system.

THRIFTY OIL CO.

*Rec'd EPA meeting
4/11/89*

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

April 1, 1989

Mr. Steven R. Ritchie
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6000
Oakland, CA 94607

RE: Fuel Leaks Region 2
Your File No. 1123.64 (PWJ)

Dear Mr. Ritchie,

Your letter of November 23, 1988 requested Thrifty Oil Co. (T.O.C.) to provide information relative to potential underground leaks at thirteen (13) locations owned by T.O.C. For your information, all but three of these locations are leased to and operated by Circle K Corporation. As owner of the property, T.O. C. is the responsible party for all subsurface investigation and/or remediation. Your letter stated that the reports were due on January 15, 1989, but I requested an extension to April 15, 1989 by my letter to you dated January 12, 1989.

I am happy to be able to send you these reports today, ahead of schedule, for each location. I believe that you will find them complete, giving a short summary of: I - History of Investigation, II - Actions Taken During Previous Quarter, III - Actions Planned for Next Quarter, IV - Status of Definition of Subsurface Contamination, V - Status of Remediation.

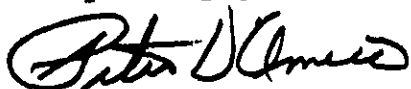
Copies of each report will be sent to the local agency as indicated on attachment 4 of your letter.



Mr. Steven R. Ritchie
Regional Water Quality Control Board
April 1, 1989
Page 2

Please contact me if you have any questions or require more information related to this project.

Very truly yours,



Peter D'Amico
Manager
Environmental Affairs

PD/dmt
Enclosures

cc: Beau Goldie, Santa Clara Valley Water District (W/Enc.)
Rafat Shahid, County of Alameda (W/Enc.)
Steve Faelz, City of Hayward (W/Enc.)
Joe Afong, City of San Jose (W/Enc.)
Rubin Grijalva, City of Sunnyvale (W/Enc.)
Michael S. Young, Campbell Fire Department (W/Enc.)

STATION NO. 049
3400 San Pablo Avenue
Oakland, CA
Alameda County 01
I. D. #

I. HISTORY OF INVESTIGATION AND REMEDIAL ACTIONS

- 08-86 Groundwater Technology drilled six borings. Soil sampling was conducted at five foot intervals. Three borings were converted into groundwater monitoring wells. Depth to groundwater is less than 8 feet below grade. Soil and water samples were analyzed by a laboratory.
- 11-86 Woodward-Clyde Consultants installed four 4-inch monitoring wells to a depth of 15 feet. Soil and water samples were collected and analyzed by a laboratory. Gradient calculations were performed. Local groundwater use was determined.
- 02-13-87 Woodward-Clyde Consultants Proposal for Remediation submitted to Alameda County Environmental Health Services.
- 08-08-87 Woodward-Clyde Consultants begins bailing free product weekly.
- 08-31-87 Woodward-Clyde Consultants proposal for installation of a two-phase recovery system submitted to R.W.Q.C.B. & A.C.H.S.
- 09-11-87 Hydrotech Consultants completed five borings to a depth of 15 feet. Soil samples were collected and analyzed (EPA 8015) by a laboratory. No water samples were collected with groundwater encountered at 15 feet.

II. ACTIONS TAKEN DURING PREVIOUS QUARTER

Woodward-Clyde Consultant quarterly report (Aug., Sept. & Oct.) submitted to San Francisco Bay R.W.Q.C.B. of 3 week well measurements, product thickness with free product removed by bailing for the seven monitoring wells.

III. ACTIONS PLANNED FOR NEXT QUARTER

Woodward-Clyde consultant to complete quarterly report (Nov., Dec.) to San Francisco Bay R.W.Q.C.B. of three week well measurements, product thickness with free product removed by bailing for the seven monitoring wells.

IV. STATUS OF DEFINITION OF SUBSURFACE CONTAMINATION

Seven monitor&?2Hnortheast, M-7 center
of site north of tanks.

Soil contamination ppm total petroleum hydrocarbons:

08-86 - 97 ppm

11-86 - 1200 ppm

09-87 - 3600 ppm

Groundwater contamination - total dissolved petroleum
hydrocarbons:

08-86 - 93.7 ppm - No free product

11-86 - 97 ppm with free product in one well MW-1

11-88 - Latest quarterly report free product in 4 of 7 wells
(MW-1, MW-2, MW-3 & MW-4).

I. STATUS OF REMEDIATION

Woodward-Clyde Consultants' proposed remediation plan dated
1/26/87 submitted to Ted Gerow, Alameda County Environmental
Health Services with a copy to Peter Johnson, Regional Water
Quality Control Board. The remediation plan proposed is a
two-phase system with dual pumps one for product and one for
water with wastewater discharge to sewer or storm drain
system. The remediation system has not been approved.

Woodward-Clyde Quarterly reports of well measurements and
free product data with free product removed by bailing
submitted to Greg Zentner at San Francisco Bay R.W.Q.C.B.
with a copy to Ted Gerow, A.C.E.H.S.

Removal of existing underground tanks and installation of 3
new double wall tanks and double wall piping.

ATTACHMENT A

Michael S. Young, Campbell Fire Department
SS #166 1820 Winchester, Campbell 95008

Steve Faelz, City of Hayward
SS #052 20200 Hesperian Bl., @ W. Sunset, Hayward 94541
SS #055 25225 Mission Blvd., @ Berry Ave., Hayward 94541
SS #062 207 "A" St., @ Burbank St., Hayward 94541

Joe Afong, City of San Jose
SS #060 3010 Union Ave., @ Foxworthy, San Jose 95124
SS #167 4144 Monterey Rd., @ Senter, San Jose 95100
SS #175 1256 E. Julian St., @ 26th North, San Jose 95100

Rubin Grijalva, City of Sunnyvale
SS #165 773 Mathilda, @ Almanor, Sunnyvale 94088

Rafat Shahid, County of Alameda
SS #049 3400 San Pablo Ave., @ 34th, Oakland 94608 DB
SS #054 2504 Castro Valley, @ Staton, Castro Valley 94546 LS
SS #063 6125 Telegraph Ave., @ 62nd, Oakland 94603 AL } DISTRI-
BUTED

Beau Goldie, Santa Clara Valley Water District
SS #039 545 Alma St., @ Belmont, San Jose 95125
SS #174 3501 Homestead, @ Bing, Santa Clara 95050

ROBERT H. LEE & ASSOCIATES, INC.

900 Larkspur Landing Circle
Suite 125

LARKSPUR, CALIFORNIA 94939

(415) 461-8890

LETTER OF TRANSMITTAL

TO ALAMEDA COUNTY HEALTH DPT.
80 SWAN WAY, ROOM 200
OAKLAND, CA. 94621

DATE	12-7-88	JOB NO	9807
ATTENTION	ALAMEDA CNTY HEALTH DPT.		
RE:	CIRCLE K STATION @: 3400 SAN PABLO AVE. OAKLAND, CA.		

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

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

COPIES	DATE	NO.	DESCRIPTION
3	12-7-88	-	UNDERGROUND TANKS DRAWINGS.
3	"	-	" " CLOSURE/MODIFICATION PLANS
1	"	-	CHECK FOR \$600.- FEE FOR PERMIT TO REMOVE TANKS(3)
1	"	-	" " \$600.- " " " " INSTALL TANKS(3)
3	"	-	STATE FORMS 'B' FOR TANKS REMOVAL
1	"	-	" " 'A' " " INSTALLATION.

THESE ARE TRANSMITTED as checked below:

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

REMARKS _____

Project # 1528768
 Fee Paid 600.00
 Date 12/8/88

COPY TO _____

SIGNED: Amos Levi Malkin

If enclosures are not as noted, kindly notify us at once. AMOS L. MALKIN.

**STATE
COMPENSATION
INSURANCE
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

DECEMBER 21, 1988

POLICY NUMBER: 571-88 UNIT 0001486
CERTIFICATE EXPIRES: 10-1-89

RECEIVED
DEC 27 1988
JAMES L. HANFORD/
MANAGER

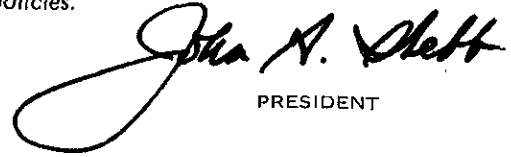
┌
COUNTY DEPT OF ENVIRONMENTAL HEALTH
ATTN: DENNIS
80 SWANN #200
OAKLAND
CA 94621
└

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

┌
GOLDEN WEST BUILDERS
2363 BOULEVARD CIRCLE #103
WALNUT CREEK
CA 94595
└

THRIFTY OIL CO.

November 25, 1988

Greg Zentner
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6000
Oakland, CA 94607

RE: Thrifty Oil Co. Station #049
3400 San Pablo Avenue
Oakland, Ca 94608

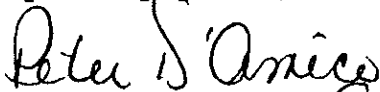
CIRCLE K

Dear Mr. Zentner,

Enclosed is a copy of Woodward-Clyde Consultant's report of Monitoring Well and Product Recovery dated November 16, 1988 for the above referenced facility.

If you have any questions, please feel free to contact me.

Very truly yours,



Peter D'Amico
Manager
of Environmental Affairs

PD/HAP/dmt
Enclosures

cc: ~~Wad Gerow~~, Alameda County Environmental Health Services (W/Enc.)

RECEIVED
DEC 02 1988
HAZARDOUS MATERIALS/
WASTE PROGRAM



500 12th Street
Suite 100
Oakland, CA 94607-4014
(415) 893-3600

Woodward-Clyde Consultants

November 16, 1988
8720083A

Mr. Pete D'Amico
Manager, Environmental Affairs
Thrifty Oil Co.
10000 Lakewood Boulevard
Downey, CA 90240

Subject: Sixth Progress Report on Well Monitoring and Product Recovery
at Station 49

Dear Mr. D'Amico:

The well monitoring and manual product recovery program at Thrifty Station 49 in Oakland, California has proceeded approximately once every three weeks for the last three months. During each visit, the depth to water and product thickness measurements were taken and any free product encountered was bailed from the wells. As before, the recovered product was taken to Station 63 in Oakland and placed in the new product recovery drum located at that station. The well measurements and product recovery data are provided in Table 1, while well locations are shown in Figure 1. The product thicknesses have fluctuated somewhat recently but in general have shown an increase in August and September. Wells MW-1, MW-2, MW-3, and MW-4 all contained measurable product during the last monitoring exercise, most likely in response to the seasonal water table decline.

If you have any questions or comments, please feel free to call.

Sincerely,



Martin Cramer
Senior Project Scientist

MC/sst
COT/8720083PR6

RECEIVED
NOV 23 1988
ENV./CONSTR

Consulting Engineers, Geologists
and Environmental Scientists

Offices in Other Principal Cities



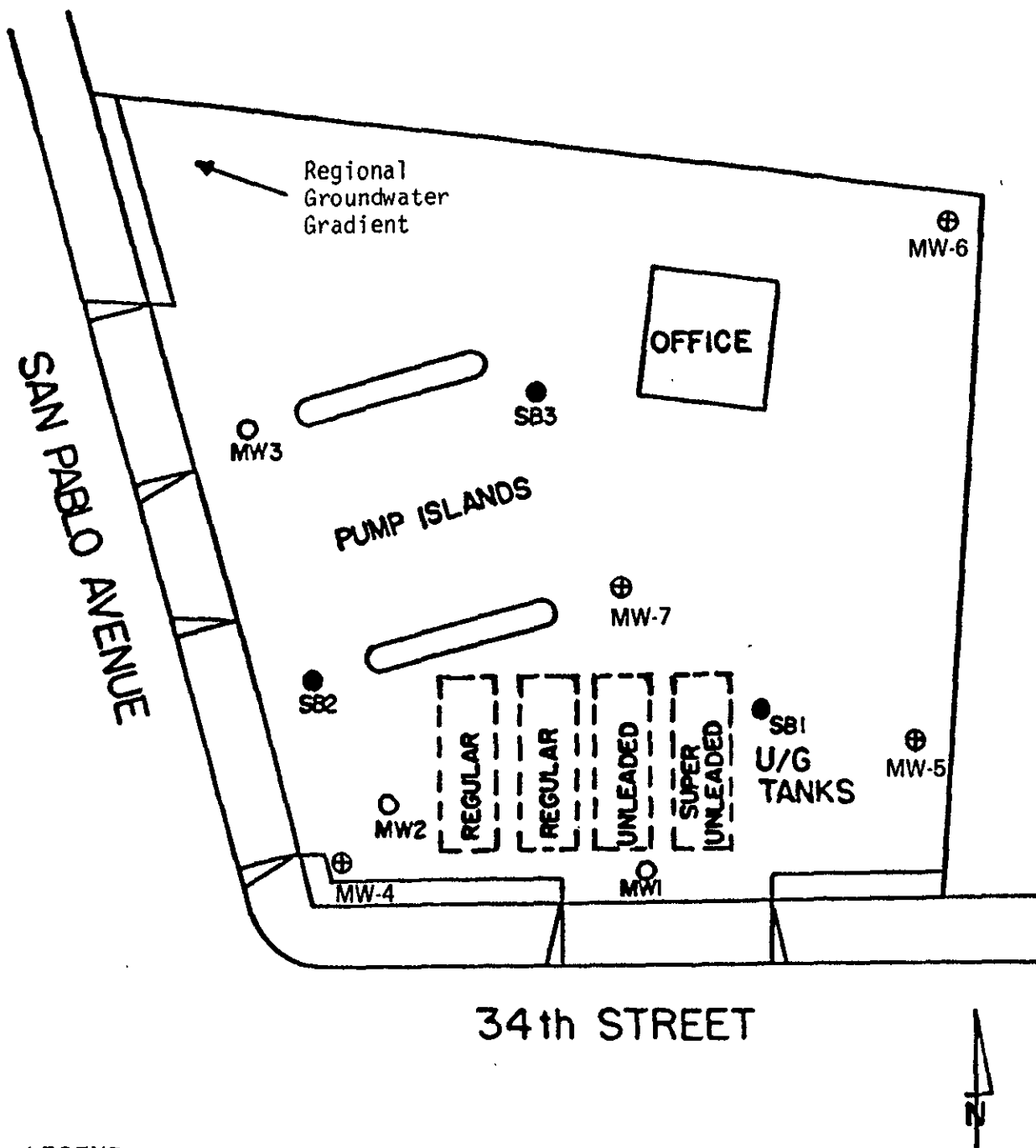
Table 1. STATION 49 WELL MEASUREMENT AND PRODUCT RECOVERY DATA*

Well No.	Casing Elev.	8-4-88			8-24-88			9-21-88			10-5-88			10-26-88		
		Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness
MW-1	98.03	6.58	91.52	0.10	7.19	90.88	0.06	7.83	90.32	0.16	8.20	90.10	0.36	9.04	90.10	1.46
MW-2	97.44	5.81	91.63	0	6.51	90.94	0.02	7.26	90.28	0.14	8.07	90.04	0.88	7.67	90.06	0.38
MW-3	97.69	7.41	90.28	Trace	7.80	89.96	0.09	8.35	89.51	0.23	8.81	89.38	0.66	8.54	89.58	0.45
MW-4	97.33	5.73	91.71	0.15	6.48	90.96	0.14	7.10	90.43	0.27	7.61	90.15	0.57	7.62	90.24	0.70
MW-5	98.85	6.93	91.92	0	7.57	91.28	0	7.92	90.93	0	8.27	90.58	0	8.24	90.61	0
MW-6	99.67	7.35	92.32	0	8.18	91.49	0	8.80	90.87	0	9.02	90.65	0	8.93	90.74	0
MW-7	99.02	7.08	91.94	0	7.80	91.22	0	8.49	90.53	0	8.71	90.31	0	8.69	90.33	0
<u>Product Recovered (gal)</u>																
Current		0.10			0.13			0.30			1.2			2.0		
Cumulative		8.58			8.71			9.01			10.21			12.21		

* All measurements given in feet except where noted otherwise

** Water table elevation corrections assume a gasoline-specific gravity of 0.75

N.T. - Not Taken



LEGEND

- MW1 - GT MONITORING WELLS
- ⊕ MW-4 - WCC MONITORING WELLS
- SB1 - GT SOIL BORINGS

Figure 1. MONITORING WELL AND BORING LOCATIONS

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 HAZARDOUS MATERIALS DIVISION

80 SWAN WAY, RM. 200
 OAKLAND, CA. 94621

DEPARTMENT OF ENVIRONMENTAL HEALTH

475 - 97th Street, 3rd Floor

Oakland, CA 94612

Telephone: (415) 8-1-7237

ACCEPTED

1/4/87

67A

The plans have been reviewed and found to be acceptable and appear to meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The project, project's location, laws used for testing of any required building permit, and construction of any of these accepted plans is to be on the job and subject to all contractors and craftsmen involved with the project.

Any change or alterations of these plans and specifications must be submitted to this Department for review. The site and building inspection Department is to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

Removal of Tank and Piping

Strapping

Final Inspection

In case of a permit to perform a function on a company, all required plans and a copy of the law and regulations.

HERE IS A FINANCIAL STATEMENT FOR THE
 OBTAINING THESE PERMITS

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

- Business Name CIRCLE K SERVICE STATION
 Business Owner CIRCLE K CORPORATION
 - Site Address 3400 SAN PABLO AVE.
 City OAKLAND, CA. Zip 94608 Phone (415) 547-9085
900 LARKSPUR LANDING
 - Mailing Address ROBERT H. LEE & ASSOC., CIRCLE, #125
 City LARKSPUR, CA. Zip 94939 Phone (415) 461-8890
 - Land Owner CIRCLE K CORPORATION
 Address 3437 MYRTLE AVE, #440 City, State CA. Zip 95660
N. HIGHLAND CA.
 - EPA I.D. No. CAC 000128037
 - Contractor GOLDEN WEST BUILDERS/RICK HENDERSON
 Address 2363 BLVD. CIRCLE, STREET 103
 City WALNUT CREEK, CA. 94595 Phone (415) 930-6666
 License Type A, B & C-9 ID# 432103
- Other (Specify) _____
 Address _____
 City _____ Phone _____

Project # 652878
 Fee Paid 600.00
 Date 8/28/87

445 Swindler #105
Team e. AZ 85282

cc Zina Robbins
602 438-9330

Peter R Brooker

EPVg

8. Contact Person for Investigation

Name ~~PAUL NOGROW~~ Title ~~Geologist~~
~~GROUNDWATER~~ 1-916-331-2540 -no
Phone ~~415-471-2387~~ 602-438-9330
Mike Shatzbaur

9. Total No. of Tanks at facility 4

10. Have permit applications for all tanks been submitted to this office? Yes [] No []
Pat Wright (Environ consult - Sec) Dick Wilsherton

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Transporter

Name CIRCLE K CORPORATION EPA I.D. No. CAC 000128037
Address 3437 MYRTLE AVE., #440
City N. HIGHLAND State CA Zip 95660

b) Rinsate Transporter

Name H & H SHIP SERVICE EPA I.D. No. CHP-HAZ-MAT TRANS #CA457
Address 220 CHINA BASIN
City SAN FRANCISCO State CA Zip 94107

c) Tank Transporter

Name H & H SHIP SERVICE EPA I.D. No. CAD 004771168
Address SAME AS ABOVE
City _____ State _____ Zip _____

d) Contaminated Soil Transporter

Name THRIFTY OIL CO. EPA I.D. No. _____
Address 10000 LAKEWOOD BLVD.
City DOWNEY State CA Zip 90240

12. Sample Collector

Name DENNIS BAIN
Company GROUNDWATER TECHNOLOGY
Address 1832 TRIBUTE RD., SUITE G
City SACRAMENTO State CA Zip 95815 Phone (916) 921-1800

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)	NATIVE SOIL	
6000	GASOLINE		
8000	GASOLINE		
10,000	GASOLINE		
12,000	GASOLINE		

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. 15 LBS. OF DRY ICE PER

1000 GALLONS

16. Laboratories

Name GROUNDWATER TECHNOLOGY

Address 1832 TRIBUTE RD., SUITE G

city SACRAMENTO State CA zip 95815

State Certification No. _____

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
GASOLINE	EQUIVOLENT EPA # 5030/8015 EPA # 8020 FOR SOIL FOR WATER EPA # 5030 EPA # 602	BTEX & E (8020 & 8240) (2-4 thru C-12 Aromatics) for soils. BTEX & E (602) for water

18. Site Safety Plan submitted? Yes No

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

COPY ON FILE W/ALAMEDA CO.

Name of Insurer EDNA

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 will notify the Department of Environmental Health at least two (2) working days (48 hours) 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 GORDEN WEST BUILDERS
Name (please type) ~~TO BE SCHEDULED AT TIME~~
Signature ~~OF THIS OPERATING~~
Date 11-22-88

Signature of Site Owner or Operator
Name (please type) (P) CORP
Signature Peter R. Bruden
Date 11-28-88

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. A copy of your approved plan must be sent to the landowner.

5. Triple rinse means that:

- a) final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1) Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
- b) tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
- c) tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

6. Any cutting into tanks requires local fire department approval.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A
SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)

November 8, 1988

RE: SITE SAFETY PLAN
CIRCLE K SERVICE STATION
3400 SAN PABLO AVENUE
OAKLAND, CALIFORNIA

SITE SAFETY PLAN - GASOLINE TANK REMOVAL

- 1) For underground gasoline tanks, arrange for disposal of remaining liquid contents with authorized disposal service.
- 2) Drain and flush all piping into tank or appropriate container.
- 3) Remove all flammable liquid from the tank. Use a hand pump to remove the bottom few inches of liquid.
- 4) Uncover tank and disconnect attached piping.
- 5) Prior to complete excavation and tank removal the tanks must be re-purged by the following method.

Preferred method for conditioning tank:

Make vapors inert by adding 15 pounds of dry ice (carbon dioxide) per 1000 gallons of tank capacity.

The vapors in the tank will be made inert by adding solid carbon dioxide (dry ice) in the amount of 15 pounds per 1000 gallons of tank capacity. The dry ice should be crushed and distributed evenly over the greatest possible area to secure rapid evaporation. As the dry ice vaporizes, flammable vapors will flow out of the tank and may surround the area. Hence, observe all normal safety precautions regarding flammable vapors. Make sure that all of the dry ice has vaporized.

After the tank has been freed of vapors and prior to moving from the site, plug or cap all holes. Use threaded (boiler) plugs to plug any corrosion leak holes. One tank fitting plug should have a 1/8" vent hole to prevent the tank from being subjected to an excessive pressure differential caused by extreme temperature changes.

- 6) Temporarily plug all tank openings, complete excavation and remove the tank; placing it in a secure location. Block the tank to prevent movement. USE EXTREME CAUTION DURING REMOVAL OPERATION.
- 7) Remove tanks and secure at grade.
- 8) No fiberglass or steel tank shall be reused. Render all tanks useless after removing from site.

- 9) As an added precaution, regardless of condition, the tanks shall be labeled adjacent to the fill opening in legible letters as follows:

"TANKS HAVE CONTAINED FLAMMABLE LIQUIDS
NOT GAS-FREE
NOT SUITABLE FOR FOOD OR DRINKING WATER"

- 10) Assure tank disposal is in accordance with governing regulations.
- 11) Company Rep. and Contractor shall inspect open excavation for evidence of product leakage.
- 12) The Contractor shall have the following items on site:
1. Fire extinguishers
 2. An LEL meter
 3. A first aid kit
 4. Hard hat and protective clothing for all personnel
 5. Access to an Industrial Hygienist
- 13) When the site is left unattended, surround the excavation with a 6'-0" high removable chain link fence.

EMERGENCY PLAN

In the event of an accident, the Contractor shall proceed with the following steps:

- 1) Dial 9-1-1 and provide the following information:
- "THERE IS A (FIRE OR DANGEROUS SPILL) AT 3400 SAN PABLO AVENUE, OAKLAND, CA." If anyone is trapped or needs medical attention, tell the answering dispatcher. Stay on the phone and be prepared to answer any questions concerning the situation.
- 2) Attend any injured persons and direct incoming assistance to them.
- 3) Attempt to extinguish any fire if you can do so safely. Have the extinguisher ready to use in the event of any dangerous spill. Try to contain any spill, or use absorbent on smaller spills.
- 4) Report to arriving emergency response personnel to provide them any information or assistance they may need.
- 5) Notify the following:

Circle K Representative, Peter Brodeur, (916) 331-2540
Alameda County Environmental Health, (415) 874-0500
State Office of Emergency Services, (800)852-7550 (24 hrs)

NC

THRIFTY OIL CO.

CALIFORNIA REGIONAL WATER
JUL 11 1988
QUALITY CONTROL BOARD
PWT

July 8, 1988

Greg Zentner
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6000
Oakland, CA 94607

RE: Thrifty Oil Co. Station #049
3400 San Pablo Avenue
Oakland, Ca 94608

Dear Mr. Zentner,

Enclosed is a copy of Woodward-Clyde Consultant's report of Monitoring Well and Product Recovery dated July 1, 1988 for the above referenced facility.

If you have any questions, please feel free to contact me.

Very truly yours,



Peter D'Amico
Manager
of Environmental Affairs

PD/HAP/dmt
Enclosures

cc: Ted Gerow, Alameda County Environmental Health Services (W/Enc.)



500 12th Street
Suite 100
Oakland, CA 94607-4014
(415) 893-3600

Woodward-Clyde Consultants

July 1, 1988
8720083A

Mr. Pete D'Amico
Manager, Environmental Affairs
Thrifty Oil Co.
10000 Lakewood Boulevard
Downey, CA 90240

Subject: Fifth Progress Report on Well Monitoring and Product Recovery
at Station 49

Dear Mr. D'Amico:

The well monitoring and manual product recovery program at Thrifty Station 49 in Oakland, California has proceeded once every three weeks for the last three months. During each visit, the depth to water and product thickness measurements were taken and any free product encountered was bailed from the wells. As before, the recovered product was taken to Station 63 in Oakland and placed in the new product recovery drum located at that station. The well measurements and product recovery data are provided in Table 1, while well locations are shown in Figure 1. The product thicknesses have fluctuated somewhat recently but in general have shown an increase in May and June. Only wells MW-1 and MW-4 contained measurable product during the last monitoring exercise. Product thicknesses may continue to increase or reappear in other wells as the water table continues to decline.

If you have any questions or comments, please feel free to call.

Sincerely,



Martin Cramer
Senior Project Scientist

MC/sst
COT/8720083PR5



Table 1. STATION 49 WELL MEASUREMENT AND PRODUCT RECOVERY DATA*

Well No.	Relative Casing Elev.	4-20-88			5-11-88			6-1-88			6-22-88			Depth to Water	Corrected** Water Elev.	Product Thickness
		Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness			
MW-1	98.03	5.46	92.57	Trace	5.04	93.06	0.09	5.49	92.54	0.01	5.76	92.27	0.01			
MW-2	97.44	5.32	92.12	0	4.90	92.55	0.03	5.24	92.20	0	5.28	92.16	0			
MW-3	97.69	7.29	90.41	0.03	6.66	91.24	0	6.64	91.26	0.01	6.92	90.98	0			
MW-4	97.33	4.92	92.41	0	4.59	92.74	0	4.99	92.34	0.01	5.24	92.09	0.08			
MW-5	98.85	4.78	94.07	0	4.37	94.48	0	5.27	93.58	0	5.84	93.01	0			
MW-6	99.67	6.85	92.82	0	5.47	94.20	0	5.65	94.02	0	6.39	93.28	0			
MW-7	99.02	6.06	92.96	0	5.61	93.41	0	6.27	92.75	0	6.43	92.59	0			
<u>Product Recovered (gal)</u>																
Current		0			0.05			0			0.20					
Cumulative		8.23			8.28			8.28			8.48					

* All measurements given in feet except where noted otherwise

** Water table elevation corrections assume a gasoline-specific gravity of 0.75

N.T. - Not Taken

THRIFTY OIL CO.

CALIFORNIA REGIONAL WATER

MAY 31 1988

QUALITY CONTROL BOARD

CSV

May 25, 1988

Greg Zenter
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6000
Oakland, CA 94607

RE: Thrifty Oil Co. Station #049
3400 San Pablo Avenue
Oakland, Ca 94608

Dear Mr. Zenter,

Enclosed is a copy of Woodward-Clyde Consultant's report of Monitoring Well and Product Recovery dated April 7, 1988 for the above referenced facility.

If you have any questions, please feel free to contact me.

Very truly yours,



Peter D'Amico
Manager
Environmental Affairs

PD/HAP/dmt

cc: Ted Gerow, Alameda County Environmental Health Services (W/Enc.)



500 12th Street
Suite 100
Oakland, CA 94607-4014
(415) 893-3600

Woodward-Clyde Consultants

April 7, 1988
8720083A

Mr. Pete D'Amico
Manager, Environmental Affairs
Thrifty Oil Co.
10000 Lakewood Boulevard
Downey, CA 90240

Subject: Fourth Progress Report on Well Monitoring and Product Recovery
at Station 49

Dear Mr. D'Amico:

The well monitoring and manual product recovery program at Thrifty Station 49 in Oakland, California has proceeded once every three weeks for the last three months. Per our agreement, the schedule was changed from the weekly monitoring in response to the drastic reduction in product recovery. During each visit, the depth to water and product thickness measurements were taken and any free product encountered was bailed from the wells. As before, the recovered product was taken to Station 63 in Oakland and placed in the new product recovery drum located at that station. The well measurements and product recovery data are provided in Table 1, while well locations are shown in Figure 1. The product thicknesses have fluctuated recently but in general have shown an increase in February and March. The initial increases in wells MW-1 through MW-4 could have been the result of the declining water table conditions, while the following fluctuations are probably due to recovery activities. None of the other wells contained measurable product during this monitoring period. Product thicknesses may continue to increase or reappear in other wells as the water table continues to decline.

If you have any questions or comments, please feel free to call.

Sincerely,



Martin Cramer
Senior Project Scientist

MC/sst
COT/8720083PR4

RECEIVED
APR 13 1988
ENV./CONSTR

Consulting Engineers, Geologists
and Environmental Scientists

Offices in Other Principal Cities



Table 1. STATION 49 WELL MEASUREMENT AND PRODUCT RECOVERY DATA*

Well No.	Relative Casing Elev.	1/6/88			1/27/88			2/17/88			3/9/88			3/30/88		
		Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness
MW-1	98.03	4.72	93.31	0	4.94	93.09	0	5.43	92.62	0.03	5.89	92.20	0.08	6.24	91.84	0.07
MW-2	97.44	4.54	92.90	0	4.92	92.52	0	5.41	92.04	0.03	5.74	91.70	0.01	5.78	91.66	0
MW-3	97.69	6.71	90.98	0	6.83	90.86	0	7.01	90.69	0.03	7.20	90.49	0	7.32	90.37	0.05
MW-4	97.33	4.40	92.93	0	4.81	92.52	0.01	5.20	92.14	0.03	5.50	91.85	0.06	5.60	91.74	0.04
MW-5	98.85	3.62	95.23	0	4.00	94.85	0	4.32	94.53	0	5.27	93.58	0	5.88	92.97	0
MW-6	99.67	4.45	95.22	0	4.30	95.37	0	5.15	94.52	0	5.59	94.08	0	6.80	92.87	0
MW-7	99.02	5.13	93.89	0	5.81	93.21	0	6.52	92.50	0	6.85	92.17	0	7.02	92.0	0
<u>Product Recovered (gal)</u>																
Current		0			0			0			0.1			0.05		
Cumulative		8.08			8.08			8.08			8.18			8.23		

* All measurements given in feet except where noted otherwise

** Water table elevation corrections assume a gasoline-specific gravity of 0.75

\ N.T. - Not Taken

THRIFTY OIL CO.

RECEIVED
MAY 06 1988

April 28, 1988

HAZARDOUS MATERIALS/
WASTE DIVISION

Alameda County Health
Care Services
470 - 27th Street
Third Floor
Oakland, CA 94612

ATTN: Gerald H. Winn, Director
Department of Env. Health

REF: Thrifty Oil Co. #049 and #054

Dear Mr. Winn,

In regards to the attached letters. Thrifty Oil Co. no longer operates the above mentioned stations. They have been leased to the Circle K Corporation. All future correspondance should be directed to the address listed below.

Thank you.

Sincerely,
THRIFTY OIL CO.


Trish Guzman
Environmental Affairs Coordinator

CIRCLE K CORPORATION (714) 746-7598
P.O. Box 52084
Phoenix, Arizona 85072

ENV. DEPT
(916) 334-2445
Put Wright



THRIFTY OIL CO.

January 28, 1988

III
652

2/17/88

Greg Zenter
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6000
Oakland, CA 94607

RE: Thrifty Oil Co. Station #049
3400 San Pablo Avenue
Oakland, Ca 94608

Dear Mr. Zenter,

Enclosed is a copy of Woodward-Clyde Consultant's report of Monitoring Well and Product Recovery dated January 20, 1988 for the above referenced facility.

If you have any questions, please feel free to contact me.

Very truly yours,



Peter D'Amico
Manager
Environmental Affairs

PD/HAP/dmt

cc: Ted Gerow, Alameda Co. Environmental Health Services (W/Enc.)



500 12th Street
Suite 100
Oakland, CA 94607-4014
(415) 893-3600

Woodward-Clyde Consultants

January 20, 1988
8720083A

Mr. Pete D'Amico
Manager, Environmental Affairs
Thrifty Oil Co.
10000 Lakewood Boulevard
Downey, CA 90240

Subject: Third Progress Report on Well Monitoring and Product Recovery
at Station 49

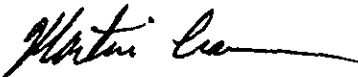
Dear Mr. D'Amico:

The well monitoring and manual product recovery program at Thrifty Station 49 in Oakland, California has proceeded on a weekly basis for seven weeks since the last report. During each visit, the depth to water and product thickness measurements were taken and any free product encountered was bailed from the wells. Per our agreement, the recovered product was taken to Station 63 in Oakland and placed in the new product recovery drum located at that station.

In general, the product thicknesses have fluctuated somewhat but have shown a continued decreasing trend with no measurable product found in any of the wells during the last visit. The reason for the decreasing thicknesses is probably due to the quantity of product in the formation surrounding the wells being depleted, while replenishment from other areas is slow. The seasonal increase in water table elevation may also be partially responsible, as observed product thicknesses typically decrease under rising water table conditions. It is unlikely, however, that this decrease in product thickness is uniform under the entire site, as manual bailing typically influences only the area in the immediate vicinity of the well. Due to the significant decrease in product recovery, we recommend and have already implemented a reduced monitoring and recovery program of once every three weeks.

If you have any questions or comments, please feel free to call.

Sincerely,



Martin Cramer
Project Manager

MC/sst
COT/8720083-5

RECEIVED

JAN 25 1988

ENV./CONSTR

Consulting Engineers, Geologists
and Environmental Scientists

Offices in Other Principal Cities



Table 1. STATION 49 WELL MEASUREMENT AND PRODUCT RECOVERY DATA*

Well No.	Relative Casing Elev.	11-18			11-25			12-2			12-11			12-17			12-23		
		Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness
MW-1	98.03	6.23	91.80	0	6.90	91.15	0.02	5.46	92.58	0.01	4.81	93.23	0.01	4.88	93.15	0	5.11	92.92	Trace
MW-2	97.44	6.03	91.43	0.02	5.61	91.85	0.02	5.36	92.09	0.01	4.82	92.70	0.11	4.88	92.64	0.10	5.02	92.42	Trace
MW-3	97.69	7.83	89.90	0.05	7.48	90.24	0.04	7.16	90.54	0.01	6.88	90.81	0	6.40	91.29	0	6.90	90.79	Trace
MW-4	97.33	5.69	91.64	0	5.33	92.00	0	4.90	92.43	0	4.46	92.87	0	4.59	92.76	0.03	4.94	92.44	0.06
MW-5	98.85	6.00	92.85	0	5.77	93.08	0	5.19	93.66	0	4.05	94.80	0	4.16	94.69	0	4.58	94.27	0
MW-6	99.67	7.74	91.93	0	6.91	92.76	0	6.73	92.94	0	6.12	93.55	0	5.25	94.42	0	5.17	94.50	0
MW-7	99.02	7.13	91.89	0	6.70	92.32	0	6.23	92.79	0	5.36	93.66	0	5.64	93.38	0	6.50	92.52	0
<u>Product Recovered (gal)</u>																			
Current		0			0			0			0.05			0.02			0.01		
Cumulative		8.00			8.00			8.00			8.05			8.07			8.08		

* All measurements given in feet except where noted otherwise

** Water table elevation corrections assume a gasoline-specific gravity of 0.75

N.T. - Not Taken

Table 1. STATION 49 WELL MEASUREMENT AND PRODUCT RECOVERY DATA* (continued)

Well No.	Relative Casing Elev.	12-30			Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness
		Depth to Water	Corrected** Water Elev.	Product Thickness													
MW-1	98.03	5.01	93.02	0													
MW-2	97.44	4.77	92.67	0													
MW-3	97.69	6.79	90.90	0													
MW-4	97.33	4.52	92.81	0													
MW-5	98.85	4.31	94.54	0													
MW-6	99.67	4.95	94.72	0													
MW-7	99.02	4.40	94.62	0													

Product Recovered (gal)

Current	0
Cumulative	8.08

* All measurements given in feet except where noted otherwise

** Water table elevation corrections assume a gasoline-specific gravity of 0.75

N.T. - Not Taken

GZ

THRIFTY OIL CO.

December 16, 1987

Greg Zenter
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6000
Oakland, CA 94607

RECEIVED
DEC 18 1987
Alameda County Environmental Services

RE: Thrifty Oil Co. Station #049
3400 San Pablo Avenue
Oakland, Ca 94608

III
652
2/17/88

Dear Mr. Zenter,

Enclosed is a copy of Woodward-Clyde Consultant's report of Monitoring Well and Product Recovery dated December 11, 1987 for the above referenced facility.

If you have any questions, please feel free to contact me.

Very truly yours,



Peter D'Amico
Manager
Environmental Affairs

PD/dmt

cc: Ted Gerow, Alameda County Environmental Health Services



December 11, 1987
8720083A

Mr. Pete D'Amico
Manager, Environmental Affairs
Thrifty Oil Co.
10000 Lakewood Boulevard
Downey, CA 90240

Subject: Second Monthly Report on Well Monitoring and Product Recovery
at Station 49

Dear Mr. D'Amico:

The well monitoring and manual product recovery program at Thrifty Station 49 in Oakland, California has proceeded on a weekly basis for five weeks since the last report. During each visit, the depth to water and product thickness measurements were taken and any free product encountered was bailed from the wells. Per our agreement, the recovered product was taken to Station 63 in Oakland and placed in the drum containing water and product bailed previously from well MW-4 at that station.

In general, the product thicknesses in each well have shown a decreasing trend, with major decreases found in wells MW-2 and MW-4. These wells previously contained the greatest amount of product, which was most likely due to their being located in the general downgradient direction from the storage tank area. The reason for the decreasing thicknesses is probably due to the quantity of product in the formation surrounding the wells being depleted, while replenishment from other areas is slow. It is unlikely, however, that this decrease in product thickness is uniform under the entire site, as manual bailing typically influences only the area in the immediate vicinity of the well.

If you have any questions or comments, please feel free to call.

Sincerely,



Martin Cramer
Project Manager

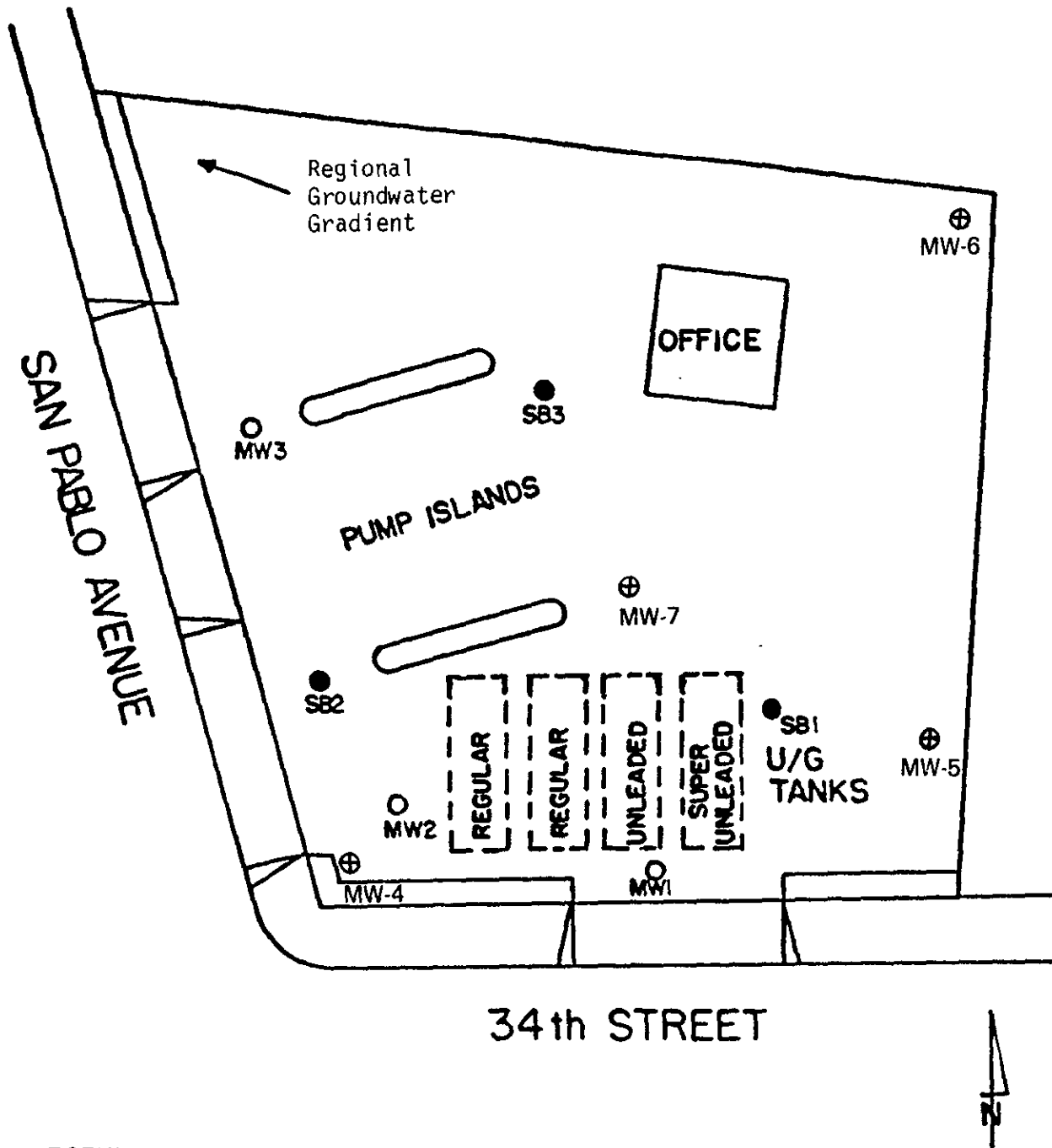
MC/sst
COT/8720083-3

RECEIVED

DEC 14 1987

ENV/CONSTR





LEGEND

- MW1 - GT MONITORING WELLS
- ⊕ MW-4 - WCC MONITORING WELLS
- SB1 - GT SOIL BORINGS



Figure 1. MONITORING WELL AND BORING LOCATIONS

Table 1. STATION 49 WELL MEASUREMENT AND PRODUCT RECOVERY DATA*

Well No.	Relative Casing Elev.	10-17-87			10-21-87			10-28-87			11-4-87			11-11-87		
		Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness
MW-1	98.03	7.59	90.63	0.25	7.50	91.15	0.83	7.88	90.73	0.77	7.14	91.00	0.15	7.05	91.03	0.07
MW-2	97.44	8.19	89.94	0.92	7.13	91.15	0.84	7.55	90.28	0.52	6.93	91.41	0.12	6.73	90.75	0.05
MW-3	97.69	8.33	89.59	0.30	8.23	89.65	0.25	8.43	89.41	0.20	8.18	90.41	0.12	8.09	89.72	0.16
MW-4	97.33	7.40	90.26	0.44	7.22	90.27	0.21	6.42	91.04	0.17	6.60	90.77	0.06	6.48	90.86	0.01
MW-5	98.85	8.11	90.74	0	8.17	90.68	0	7.13	91.72	0	6.88	91.97	0	7.13	91.72	0
MW-6	99.67	9.28	90.39	0	9.36	90.31	0	9.28	90.39	0	8.18	91.49	0	8.28	91.39	0
MW-7	99.02	8.72	90.30	0	8.78	90.24	0	8.69	90.33	0	8.09	90.93	0	8.05	90.97	0
<u>Product Recovered (gal)</u>																
Current		0.75			0.75			1.10			0.35			0.10		
Cumulative		5.70			6.45			7.55			7.90			8.00		

* All measurements given in feet except where noted otherwise

** Water table elevation corrections assume a gasoline-specific gravity of 0.75

N.T. - Not Taken

THRIFTY OIL CO.

~~II~~
GSZ
2/16/89

October 27, 1987

Greg Zenter
Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6000
Oakland, CA 94607

RE: Thrifty Oil Co. Station #49
3400 San Pablo Avenue
Oakland, CA 94608

Dear Mr. Zenter, ^{Alameda}

Enclosed please find Woodward-Clyde Consultants' monthly report dated October 21, 1987 on well monitoring and product recovery for the above referenced location.

Please do not hesitate to contact me if you have any comments or questions.

Yours truly,



Peter D'Amico
Manager
Environmental Affairs

PD/HAP/dmt
Enclosures

cc: Ted Gerow, Alameda Co. Environmental Health Services (W/Enc.)
Barbara Biles, Manager of Corporate Affairs (W/Enc.)
Marty Cramer, Woodward-Clyde Consultants



October 21, 1987
8720083A

Mr. Pete D'Amico
Manager, Environmental Affairs
Thrifty Oil Co.
10000 Lakewood Boulevard
Downey, CA 90240

Subject: Monthly Report on Well Monitoring and Product Recovery at
Station 49

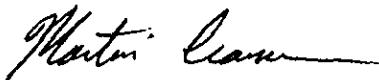
Dear Mr. D'Amico:

The well monitoring and manual product recovery program at Thrifty Station 49 in Oakland, California has proceeded on essentially a weekly basis for over one month. During each visit, the depth to water and product thickness measurements were taken and any free product encountered was bailed from the wells. Per our agreement, the recovered product was taken to Station 63 in Oakland and placed in the waste oil tank. The well measurements and product recovery data are provided in Table 1. A plot plan of the station showing well locations is given in Figure 1.

In general, the product thickness and extent of free product contamination has increased since the last readings were taken in December of 1986. Previously, only well MW-1 contained free product, whereas it is now found in wells MW-1 through MW-4. The reason for this could be the continued spread of existing product thought to have been relatively contained in the tank backfill or possibly a new or ongoing leak. As shown in Table 1, the product thicknesses have fluctuated considerably but, in most cases, indicate a slight overall increase since the program began. The reason for the fluctuations is unclear, while the slight increases could be attributed to the same factors as those mentioned above for the increased extent.

If you have any questions or comments, please feel free to contact me.

Sincerely,



Martin Cramer

MC/sst
COT/8720083-1



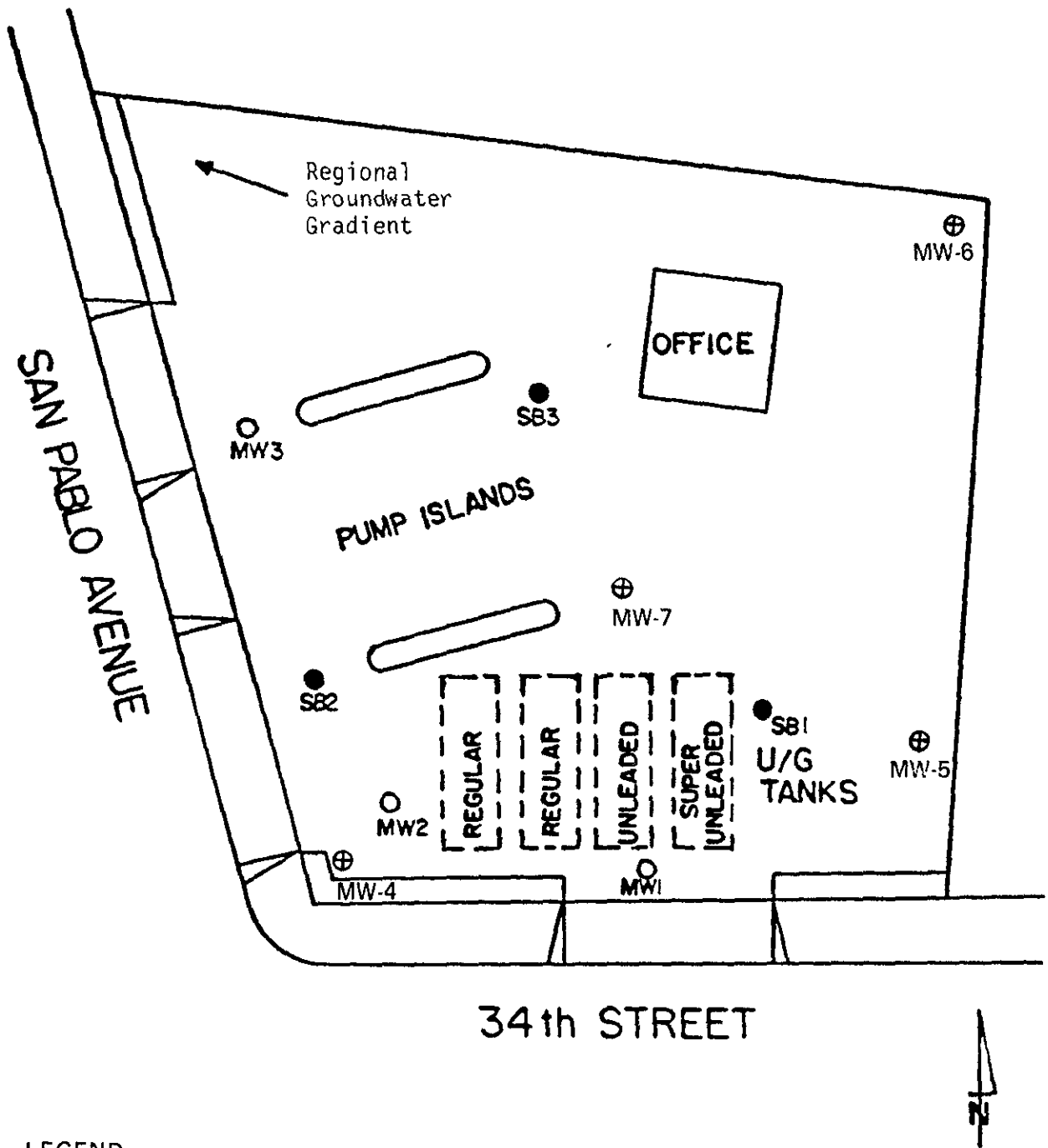
Table 1. STATION 49 WELL MEASUREMENT AND PRODUCT RECOVERY DATA*

Well No.	Relative Casing Elev.	12-3-86			8-26-87			9-10-87			9-18-87			9-27-87			10-7-87		
		Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness	Depth to Water	Corrected** Water Elev.	Product Thickness
MW-1	98.03	7.45	90.58	0.30	7.56	90.83	0.47	7.65	90.38	0.29	7.75	90.28	0.17	7.52	90.49	0.02	7.58	90.53	0.11
MW-2	97.44	6.60	90.84	0	7.18	90.67	0.54	7.21	90.23	0.42	8.67	89.65	1.17	8.23	90.03	1.11	8.08	90.33	1.29
MW-3	97.69	7.77	89.92	0	7.95	89.74	0	8.21	89.48	0	N.T.	N.T.	N.T.	8.52	89.40	0.31	8.08	89.82	0.28
MW-4	97.33	6.28	91.05	0	7.02	90.76	0.60	7.15	90.40	0.29	7.50	89.83	0.50	7.66	90.32	0.87	7.36	90.46	0.65
MW-5	98.85	8.10	90.75	0	7.74	91.11	0	7.98	90.87	0	N.T.	N.T.	N.T.	7.98	90.87	0	8.10	90.75	0
MW-6	99.67	9.00	90.67	0	8.67	91.00	0	8.97	90.70	0	N.T.	N.T.	N.T.	9.13	90.54	0	9.07	90.60	0
MW-7	99.02	8.04	90.98	0	8.15	90.87	0	8.58	90.44	0	N.T.	N.T.	N.T.	8.57	90.45	0	8.59	90.43	0
<u>Product Recovered (gal)</u>																			
Current		0			0.75			0.75			1.0			1.2			1.25		
Cumulative		0			0.75			1.50			2.50			3.70			4.95		

* All measurements given in feet except where noted otherwise

** Water table elevation corrections assume a gasoline-specific gravity of 0.75

N.T. - Not Taken



LEGEND

- MW1 - GT MONITORING WELLS
- ⊕ MW-4 - WCC MONITORING WELLS
- SB1 - GT SOIL BORINGS



Figure 1. MONITORING WELL AND BORING LOCATIONS

FUELLEAK CASE RECORD

REVIEW DATE: 07.28.87
SITE NAME: Thrifty Oil Co.
STREET NO.: 3400
STREET: San Pablo Ave.
CITY: Oakland
COUNTY: 01
PRIORITY: III
RANK:
SUBSTANCE/PRIMARY: 80066 19
SUBSTANCE/SECONDARY:
CASE TYPE: 46
STATUS: I

10-10-86

SOIL AFFECTED: Y
MAXIMUM SOIL CONCENTRATION (ppm): 67
MAXIMUM RESIDUAL SOIL CONCENTRATION (ppm):
SOIL STATUS: I
DEPTH TO GROUNDWATER: 6
GROUNDWATER AFFECTED:
MAXIMUM GROUNDWATER IMPACT: 93700
GROUNDWATER STATUS: I
DRINKING WATER AFFECTED: Y
DRINKING WATER STATUS: N
REMEDIAL ACTION: NT
DATE OF LAST CORR.: 02/13/87

March 19, 1987
90390A/0000

*W.C.
Make copy
and file U.G. ANES*

Mr. Ted Gerow
Public Health Engineer
Alameda County Division
of Environmental Health
470 27th Street
Oakland, CA 94612

Dear Mr. Gerow:

Pursuant to our conversation several weeks ago regarding the subsurface petroleum product spill investigations currently underway at two Thrifty Oil Co. service stations in Oakland, I would like to confirm that the county does not require a periodic written progress report on the investigations. The service stations in question are located at 6125 Telegraph Avenue and 3400 San Pablo Avenue. As I recall, you did request that we inform you of any plans for remediation and provide a periodic update once the recovery systems are in operation. Apparently, Thrifty Oil Co. has already submitted to you copies of our proposed recovery systems for each station. We would also like to inform you that we are in the process of obtaining a water discharge permit at the Telegraph Avenue station such that we can proceed with system installation and site remediation. We will notify you once the permit has been obtained and the system installed. If we do not hear from you within ten working days, we will assume the above understanding is correct.

If you have any questions or comments, please do not hesitate to contact me at 945-3000.

Sincerely,

Martin Cramer

Martin Cramer
Project Scientist

MC/sst
COT/90390-L5

RECEIVED
MAR 23 1987
ENVIRONMENTAL HEALTH
ADMINISTRATION

STRAW & GILMARTIN
A PROFESSIONAL LAW CORPORATION
11377 WEST OLYMPIC BOULEVARD
TENTH FLOOR
LOS ANGELES, CALIFORNIA 90064
TELEPHONE (213) 312-3293

LAWRENCE J. STRAW, JR.
MARK B. GILMARTIN

CALIFORNIA REGIONAL WATER

November 7, 1986

NOV 10 1986

FILE NO. T014

QUALITY CONTROL BOARD

Mr. Peter Johnson
Senior Water Control Engineer
Regional Water Quality Control Board
1111 Jackson Street, Room 6000
Oakland, California 94607

Re: Thrifty Oil Co.
Station Nos. 39, 49, 52, 55, 62, 63 and 175

Dear Mr. Johnson:

This firm represents Thrifty Oil Co. in connection with environmental matters involving the operation of retail gasoline service stations.

By letter dated October 2, 1986, I advised Dale Bowyer that Thrifty had recently completed a program of underground tank testing and subsurface investigations with respect to several service stations in the San Francisco Bay Region. I provided Mr. Bowyer with copies of underground tank test reports and site assessment investigation reports prepared by Groundwater Technology. PWJ

This morning I spoke to Daniel Tempelus with regard to the Regional Water Quality Control Board's interest in supervising further site assessments or remediation programs for facilities determined to have levels of hydrocarbon contamination present in the soil or groundwater. I advised Mr. Tempelus that Thrifty has been working with the local agencies and is now prepared to move forward with respect to these matters. Mr. Tempelus indicated that Thrifty should continue working with the local agencies and submit copies of relevant correspondence and reports to you.

Please be advised that Thrifty intends to follow the course of action suggested by Mr. Tempelus. If further information is required, please contact me.

Very truly yours,



Mark B. Gilmartin

MBG:kg
cc: Peter D'Amico, Thrifty Oil Co.

STRAW & GILMARTIN
A PROFESSIONAL LAW CORPORATION
11377 WEST OLYMPIC BOULEVARD
TENTH FLOOR
LOS ANGELES, CALIFORNIA 90064
TELEPHONE (213) 312-3293

(B3) (N)
LAWRENCE J. STRAW, JR.
MARK B. GILMARTIN

FILE NO.

November 7, 1986

Ted Gerow
Public Health Engineer
Alameda County
Environmental Health Services
470 27th Street, Suite 324
Oakland, CA 94612

Re: Thrifty Oil Co.
Station Nos. 49, 52 and 63

Dear Mr. Gerow:

This letter confirms our telephone conference of yesterday regarding the above-referenced service stations owned by Thrifty Oil Co.

You indicated that Thrifty Oil Co. may perform site assessments at the above-referenced service stations as it deems appropriate. I advised you that Thrifty intends to commence a site assessment for Station No. 49, located at 3400 San Pablo Avenue, in the near future. *Berkeley/Alameda*

Your assistance and cooperation with respect to this matter is appreciated.

Very truly yours,

Mark B. Gilmartin
Mark B. Gilmartin

MBG:kag

cc: Peter Johnson, Regional Water Quality Control Board
Peter D'Amico, Thrifty Oil Co.

STRAW & GILMARTIN
A PROFESSIONAL LAW CORPORATION
11377 WEST OLYMPIC BOULEVARD
TENTH FLOOR
LOS ANGELES, CALIFORNIA 90064
TELEPHONE (213) 312-3293

LAWRENCE J. STRAW, JR.
MARK B. GILMARTIN

FILE NO.

November 7, 1986

Ted Gerow
Public Health Engineer
Alameda County
Environmental Health Services
470 27th Street, Suite 324
Oakland, CA 94612

Re: Thrifty Oil Co.
Station Nos. 49, 52 and 63

Dear Mr. Gerow:

This letter confirms our telephone conference of yesterday regarding the above-referenced service stations owned by Thrifty Oil Co.

You indicated that Thrifty Oil Co. may perform site assessments at the above-referenced service stations as it deems appropriate. I advised you that Thrifty intends to commence a site assessment for Station No. 49, located at 3400 San Pablo Avenue, in the near future.

Your assistance and cooperation with respect to this matter is appreciated.

Very truly yours,



Mark B. Gilmartin

MBG:kag

cc: Peter Johnson, Regional Water Quality Control Board
Peter D'Amico, Thrifty Oil Co.

*JG
MBG
TJMS*

STRAW & GILMARTIN
A PROFESSIONAL LAW CORPORATION
11377 WEST OLYMPIC BOULEVARD
SEVENTH FLOOR
LOS ANGELES, CALIFORNIA 90064
TELEPHONE (213) 312-3293

LAWRENCE J. STRAW, JR.
MARK B. GILMARTIN

FILE NO. T049

September 30, 1986

So file 2677ANKS

RECEIVED
OCT 2 1986

Mr. Ted Gerow
Public Health Engineer
Alameda County
Environmental Health Services
470 27th Street, Suite 324
Oakland, CA 94612

ENVIRONMENTAL HEALTH
ADMINISTRATION

Re: Thrifty Oil Co.
Station No. 49
3400 San Pablo Avenue, Oakland, CA

Dear Mr. Gerow:

This letter serves to follow-up on the telephonic unauthorized release report made by me on September 12, 1986 with regard to the above-referenced service station operated by my client, Thrifty Oil Co.

Enclosed please find a copy of Accutite Tank Testing & Maintenance Services' reports reflecting petro-tite tests performed on the underground tanks at the site on August 15, 1986 and August 21, 1986. You will note that all systems passed the test on August 15 with the exception of the 12,000 gallon premium unleaded tank. The premium unleaded underground tank system was retested on August 21 and certified tight.

Enclosed please find a Site Assessment Investigation Report prepared by Groundwater Technology dated August 18, 1986. That report reflects that groundwater samples were taken from three monitoring wells. Concentrations of 85.3, 93.7 and 2.1 parts per million total dissolved hydrocarbons were detected in monitoring wells 1, 2 and 3, respectively. Appendix IV reflects the results of five soil samples analyzed for hydrocarbon presence. Two samples showed detectible hydrocarbons of 67 ppm and 22 ppm.

Mr. Ted Gerow
Alameda County
Environmental Health Services
September 30, 1986
Page Two

Thrifty Oil Co. has not yet taken any remedial action with respect to the hydrocarbon presence in the groundwater. I will contact you in the near future to discuss this matter.

Very truly yours,



Mark B. Gilmartin

MBG:kg
Enclosures

cc: Peter D'Amico, Thrifty Oil Co.