

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



F

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

May 2, 2007

Mr. Paul Supple
Atlantic Richfield
PO Box 1257
San Ramon, CA 94583

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

Subject: Fuel Leak Case No. RO0000174, Arco #5387/Thrifty Oil #52, 20200 Hesperian Blvd,
Hayward, CA

Dear Mr Supple:

Alameda County Environmental Health Department (ACEH) staff has reviewed the case file and recently submitted report entitled, "Soil Gas Investigation Work Plan, Former BP Service Station #5387", dated April 10, 2007 and prepared on your behalf by Broadbent Associates, Inc. In August 2004, prior to considering the case for regulatory case closure, ACEH requested a soil gas investigation. The soil gas investigation was completed in December 2004; however, the analytical data from the investigation was inconsistent, and duplicate soil gas samples collected from the same location showed significant disagreement. Consequently, ACEH requested that additional soil gas sampling be completed to resolve the inconsistency.

The scope of work as propose in the Work Plan calls for the installation of 10 soil gas sample points adjacent to the original soil gas location originally approved by ACEH in 2004. ACEH approves of the soil gas sampling locations and sample analysis as recommended in the Work Plan.

We request that you send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to steven.plunkett@acgov.org) prior to the start of field activities.

TECHNICAL REPORT REQUEST

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

- **July 1, 2007 – Soil Gas Investigation Report**

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

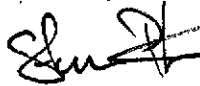
Paul Supple
May 2, 2007
Page 3

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 383-1767.

Sincerely,



Steven Plunkett
Hazardous Materials Specialist

cc: Matt Herrick
Broadbent & Associates, Inc.
1324 Mangrove Ave., Suite 212
Chico, CA 95926

Donna Drogos, ACEH
Steven Plunkett, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

November 18, 2004

Paul Supple
Atlantic Richfield Company
P.O. Box 6549
Moraga, CA 94570

Chris Panaitescu
Thrifty Oil Co.
13116 Imperial Hwy.
Santa Fe Springs, CA 90670

Subject: Fuel Leak Case No. RO0000174, ARCO #5387 / Thrifty oil #52, 20200
Hesperian Boulevard, Hayward, California

Dear Mssrs. Supple and Panaitescu:

Alameda County Environmental Health (ACEH) has reviewed your September 30, 2004 *Active Soil Gas Investigation Work Plan*, your November 17, 2004 *Active Soil Gas Investigation Work Plan Addendum* and the case file for the above-referenced site. We concur with your workplan as amended provided the following conditions are met:

1. A soil gas-to-indoor air attenuation factor of 0.001 appears appropriate unless additional information is provided. We request that you analyze a representative number (minimum of three) of soil samples for physical properties, including: bulk density, organic carbon content (by Walkee Black Method), soil moisture, effective permeability, porosity and grain size distribution. Depending on the results of these analyses, a lower attenuation factor may be considered.
2. All soil gas samples need to be analyzed for the full suite of TO-14 chemicals, including alkanes, aromatics, naphthalenes, etc. (approx. 60 compounds). Analysis needs to include the leak test tracer gas(es) (i.e. shaving cream propellants).

Please implement the proposed investigation and submit the requested report following the schedule below.

TECHNICAL REPORT REQUEST

Please submit your Active Soil Gas Investigation Report to ACEH by **February 18, 2005**. ACEH makes this request pursuant to California Health & Safety Code Section 25296.10. CCR Title 23 Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to a reportable unauthorized release from a petroleum UST system, and require your compliance with this request.

Professional Certification

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

Perjury Statement

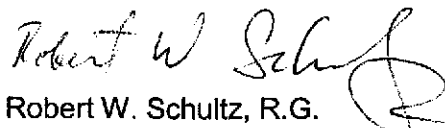
All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or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

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested we will consider referring your case to the County District Attorney or other appropriate agency, for enforcement. California Health and Safety Code, Section 25299.76 authorizes ACEH enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

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

Sincerely,


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

cc: Scott Robinson, URS Corporation, 500 12th St., Ste. 200, Oakland, CA 94607-4014
Donna Drogos, ACEH
Robert W. Schultz, ACEH

Schultz, Robert, Env. Health

From: Schultz, Robert, Env. Health
Sent: Friday, November 05, 2004 1:40 PM
To: 'Scott_Robinson@URSCorp.com'
Cc: Paul Supple (E-mail)
Subject: RO-174 - RE: ARCO 5387 - 20200 Hesperian Blvd.

Paul and Scott:

We need further explanation to address several concerns re. your proposed active soil gas investigation:

1. you state that the service station is non-operational. will the site be redeveloped, and if so is residential use a possibility? please state your remedial goals for soil vapor and the basis for those goals (i.e. pathway, receptor).
2. you propose air knifing to 5 ft, then direct push from 5 ft to the target depth of between 5 ft and 12 ft (where more permeable soils are anticipated). What is your plan for sealing the boring between 0 and 5 ft where you previously air knifed? what would be the diameter of the air-knifed hole, compared to the direct push drilling rods?
3. air knifing will likely result in soil vapor disturbance. how do you plan to ensure equilibrium conditions following air-knifing so that your samples are representative?

Please submit your response in the form of a workplan addendum.

Thank you,
Bob

-----Original Message-----

From: Scott_Robinson@URSCorp.com [mailto:Scott_Robinson@URSCorp.com]
Sent: Wednesday, November 03, 2004 12:16 PM
To: Schultz, Robert, Env. Health
Subject: ARCO 5387 - 20200 Hesperian Blvd., Hayward & others

Bob:

I just wanted to follow up & see if you had any information on the sites below. I'm especially interested in the work plan for ARCO 5387 on 20200 Hesperian Blvd.

Another site I had a question on is:

ARCO 2035 - 1001 SAN PABLO AVE., ALBANY

A letter was submitted to you on July 15, 2004 requesting permission to permanently shut down the soil vapor extraction system due to low to non-detect influent hydrocarbon concentrations. The Bay Area Air Quality Management District permit needs to be renewed by November 10, 2005 if we are not going to shut the system down.

Thanks,
Scott

Scott Robinson
Project Manager / Senior Geologist
URS Corporation
1333 Broadway, Suite 800 (NEW ADDRESS)
Oakland, CA 94612
510-874-3280 Direct / 510-874-3268 Fax
----- Forwarded by Scott Robinson/Oakland/URSCorp on 11/03/2004 12:08 PM

Scott Robinson
10/22/2004 10:37

To: robert.schultz@acgov.org
cc:

AM

Subject: ARCO 5387 - 20200 Hesperian

Blvd., Hayward &

others

Bob:

I just wanted to follow up on a few sites to see how things were progressing.

FORMER ARCO 5387 - 20200 HESPERIAN BLVD>., HAYWARD

I wanted to see if you had a chance to look over the workplan for the soil vapor sampling. This site is a big priority for BP/ARCO because of the monthly hold-over rent.

ARCO 2112 - 1260 PARK STREET, ALAMEDA

Case Closure submitted Nov. 20, 1996; pending comments from Alameda County.

ARCO 2185 - 9800 E 14TH ST, OAKLAND

No monitoring required per letter dated April 8, 1999. Submitted closure using recent soil results from line upgrade work on September 9, 2003.

ARCO 2162 - 15135 HESPERIAN BLVD., SAN LEANDRO

Closure request submitted on June 6, 2004.

ARCO 6148 - 5131 SHATTUCK AVE., OAKLAND

Closure request submitted on June 1, 2004.

Thanks,
Scott

Scott Robinson
Project Manager / Senior Geologist
URS Corporation
1333 Broadway, Suite 800 (NEW ADDRESS)
Oakland, CA 94612
510-874-3280 Direct / 510-874-3268 Fax

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



August 30, 2004

Paul Supple
Atlantic Richfield Company
P.O. Box 6549
Moraga, CA 94570

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 No. RO0000174, Thrifty Oil #52/ARCO #5387, 20200 Hesperian Blvd., Hayward, California

Dear Mr. Supple:

Alameda County Environmental Health (ACEH) has reviewed your June 3, 2004, *Request For Site Closure Status* prepared by URS Corporation for the above-referenced site. Based upon our review, your site does not appear to meet the minimum criteria for case closure at this time. To progress the case towards regulatory closure, we request that you address the following technical comments and submit a workplan for additional characterization by the due date specified below.

TECHNICAL COMMENTS

1. Source Area

During the November 2002 two-phase extraction (TPE) test, URS detected up to 859,928 ug/m³ GRO and 1,920 ug/m³ benzene in vapor influent from onsite well EP-1. In addition, URS states in Section 3.1.3 that "elevated [dissolved] concentrations of benzene and TPHg may have resulted from the constituents from the vadose zone flushing into the groundwater by increased infiltration of precipitation at that time." These findings suggest that residual hydrocarbons in vadose zone soil are not fully characterized by the analytical results presented in Table 2-2 of the subject report. Please propose additional tasks to further define the onsite subsurface impact in the workplan requested below. Your workplan should include rationale supporting proposed sampling locations including evaluation of historical investigation results.

2. Well Survey

URS states that no water wells are likely to be impacted; however, the August 21, 1986 *Site Assessment Investigation Report* prepared by Groundwater Technology, Inc. identified "a minimum of 20 permitted wells within a one mile radius of the site." The locations of these wells never appear to have been evaluated. We request that you perform an updated well survey to locate all wells (monitoring and production wells: active, inactive, standby, decommissioned, abandoned and dewatering, drainage and cathodic protection wells) within a 2,000 foot radius of the site. Submittal of maps showing the location of all wells identified in your study, and the use of tables to report the data collected as part of your survey are required. We recommend that you obtain well information from the State of California Department of Water Resources, at a minimum. Please include an analysis and interpretation of your findings, and report your results in the workplan requested below.

3. Risk To Human Health

URS states that an evaluation of potential impacts to human health should be formed if the site is developed for residential use. URS also states that human health can be safeguarded through appropriate precautions for potential future onsite construction activities. ACEH concurs with these recommendations. If residual pollution is to be left in place, a deed restriction could be placed on the property and a soil management plan filed with ACEH. In addition, we request you perform an onsite soil vapor assessment. This assessment may be used to simultaneously address Comment No. 1, above. Please perform your soil vapor survey following the guidelines published by DTSC and the RWQCB-LAR in the January 28, 2003 *Advisory – Active Soil Gas Investigations*. We also recommend that you evaluate your results using either the RWQCB-SFBR ESLs or the protocol detailed in ASTM E1739-95(2002) *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites*.

REPORT REQUEST

Please submit an *Active Soil Gas Investigation Workplan* and address the comments above by **September 30, 2004**. CCR, Title 23, Chapter 16 requires your compliance with this request. If it appears as though significant delays are occurring or reports are not submitted as requested we will consider referring your case to the County District Attorney or other appropriate agency, for enforcement. Under California Health and Safety Code, Section 25299.76, you may be subject to civil penalties of up to \$10,000 per day for each day of violation.

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

Sincerely,



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

cc: Scott Robinson, URS Corporation, 500 12th St., Ste. 200, Oakland, CA 94607-4014
Chris Panaitescu, Thrifty Oil Co., 13116 Imperial Hwy., Santa Fe Springs, CA 90760
Donna Drogos, ACEH
Robert W. Schultz, ACEH

Seery, Scott, Env. Health

From: Seery, Scott, Env. Health
Sent: Wednesday, October 29, 2003 4:03 PM
To: 'scott_robinson@urscorp.com'
Subject: ARCO #5397, 20200 Hesperian Blvd., Hayward

Hi Scott

Thanks for speaking to me today. As I mentioned, I will provide a few items, here, for you to consider with Paul Supple regarding this project.

- Based on current sampling data, and assuming said data are truly reflective of groundwater conditions, I don't see a clear need at this time to engage in the proposed H2O2 injection, for many reasons, actually. If ARCO would still prefer pursuing this remediation effort as a business decision, that will be up to them, and so will not be directed by this office.
- All monitoring well screens are quite long - most are in the range of 25' with some as long as 30! Hence, I'm not certain that the sampling data reported to date are so confidence inspiring. Long screens present sample dilution problems, as well as problems with determining from which distinct zone of the formation contaminants are not found, and what the concentrations may be in the vertical sense along the thickness of the water bearing formation. Perhaps these wells should be replaced with wells with short screens (1 -3' long), strategically constructed so that only the high-K portions of the formation are exposed to the screens, with, perhaps, multiple screen depth intervals in each general location. This will facilitate depth-discrete data collection and evaluation. Another idea would be to perform depth-discrete sampling within the current wells, at ambient conditions, with no purge. Just some ideas, here.
- I'm not so convinced that well A-10 is telling the story it was intended to tell, or even A-7, for that matter. I'm not certain that we should rely on A-10 as a marker of the distal end of the plume, even though GW flow has been shown graphically to flow towards it. Sediments encountered in well A-7 are certainly more similar to those of A-10 - sandy silt and silt. The higher K value sands and gravels encountered at depths ranging roughly between 20 and 35' in most other monitoring wells located east of the Hesperian Blvd. center median are missing in the sediments encountered in A-7 and A-10. I'm not sure what to interpret from this; A-7 and A-10 could reflect the terminus of an areally limited sand/gravel lens seen elsewhere at the site, or it could be that the sand/gravel body is actually a bit to the south or north. Or it could mean something else entirely. I think this should be looked at critically.
- This all leads me to ask ARCO to put together a "Site Conceptual Model", or SCM. There is some good guidance out there for this: "*Strategies for Characterizing Subsurface Releases of Gasoline Containing MtBE*", API publication No. 4699, Feb. 2000; the SWRCB "*Guidelines for Investigation and Cleanup of MtBE and Other Ether-Based Oxygenates, Final Draft*", dated March 27, 2000; and, the June 2002 "*Mass Flux Estimates to Assist Decision Making*", ChevronTexaco Energy Research and Technology.
- Good cross sections are a must component of the SCM. The ones I've seen so far really aren't very good at helping the reader to interpret the subsurface.

OK.... I think this is a good start.

Scott

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

STID 817

November 7, 2002

Mr. Paul Supple
P.O. Box 6459
Moraga, CA 94570

Re: Arco Station at 20200 Hesperian Blvd. Hayward, CA 94541

Dear Mr. Supple:

I am in receipt of "WorkPlan for Dual-Phase Extraction Pilot Test" document dated November 1, 2002, by Mr. Scott Robinson of URS Corporation, regarding the above referenced site. As you are aware this document discusses uses of Dual-Phase Extraction Pilot Test to mitigate the existing plume in soil and groundwater within northwestern dispensers. A thermal oxidizer is proposed to treat the extracted soil vapor from EP-1 extraction piping, MW-2, and AR-2 wells, while extracted water is proposed to be stored on site for further proper disposal as required. This plan further proposes to extend this test for an additional five days if soil vapor concentrations do not decline significantly.

This plan, however, does not indicate why or how this method is the preferred method of mitigation used for the above referenced site since it is being proposed as a mitigation technique rather than a mere pilot test. You should perform a brief feasibility study in order to evaluate alternatives for mitigating the existing plume at the above referenced site.

Should you have any questions, please call me at (510)-567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Scot Robinson, URS Corporation, 500 12th Street, Suite 200, Oakland, CA 94607-4014
files

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
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REPORT DATE 02/20/02	CASE # 025#02-0982	SIGNED: <i>[Signature]</i> DATE: 02/01/02
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REPORTED BY	NAME OF INDIVIDUAL FILING REPORT NORA KOSKENMAKI	PHONE (714) 670-5336	SIGNATURE <i>Nora Koskenmaki</i>	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME BP WEST COAST PRODUCTS LLC		
	ADDRESS 4 CENTERPOINTE DRIVE LA PALMA CA 90623			

RESPONSIBLE PARTY	NAME BP WEST COAST PRODUCTS <input type="checkbox"/> UNKNOWN	CONTACT PERSON NORA KOSKENMAKI	PHONE (714) 670-5336
	ADDRESS 4 CENTERPOINTE DRIVE LA PALMA CA 90623		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) ARCO # 5387	OPERATOR BP WEST COAST PROD.	PHONE (510) 786-1610	
	ADDRESS 20200 HESPERIAN BLVD. HAYWARD CA ALAMEDA			
	CROSS STREET SUN SET ZIP 94541			

IMPLEMENTING AGENCIES	LOCAL AGENCY ALAMEDA CO. ENVIRONMENTAL	CONTACT PERSON ARIU LEVI	PHONE (510) 567-6862
	REGIONAL BOARD CA REGIONAL WATER BOARD	REGION 2	PHONE (510) 622-2300

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

DISCOVERY/ABATEMENT	DATE DISCOVERED 02/20/02	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER <u>SUBSURFACE SAMPLING</u>	<input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER	
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE <u>UNK</u>		

SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
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CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY
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REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)
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COMMENTS
 CONTAMINATION WAS DISCOVERED IN THE SOIL DURING SUBSURFACE SAMPLING IN CONNECTION WITH CONSTRUCTION AT THIS SITE. PER STEVEN MEERS OF DELTA ENVIRONMENTAL, LABORATORY DATA WAS AS FOLLOWS (SEE ATTACHED)

INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY

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

REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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

SUBSTANCES INVOLVED

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

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

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

CASE TYPE

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

CURRENT STATUS

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

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

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

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

REMEDIAL ACTION

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

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

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

RO 174

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.		
REPORT DATE 02/20/02		CASE # 02-0982		SIGNED: [Signature] DATE: 02/01/02		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT NORA KOSKENMÄKI ULR		PHONE (714) 610 5336		SIGNATURE [Signature]	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME BP WEST COAST PRODUCTS LLC			
	ADDRESS 4 CENTERPOINTE DRIVE LA PALMA CA 90643					
RESPONSIBLE PARTY	NAME <input type="checkbox"/> UNKNOWN		CONTACT PERSON		PHONE ()	
	ADDRESS STREET CITY STATE ZIP					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) ARCO # 5383		OPERATOR BP WEST COAST PROD		PHONE (510) 280-1010	
	ADDRESS 20200 HESPERIA STREET HAYWARD CA ALAMEDA COUNTY ZIP 94511					
	CROSS STREET SUNSET					
IMPLEMENTING AGENCIES	LOCAL AGENCY ALAMEDA CO.		AGENCY NAME ARCO LEVI		PHONE (510) 363 6662	
	REGIONAL BOARD CA REGIONAL WATER BOARD		CONTACT PERSON REEDER 2		PHONE (510) 272 2300	
SUBSTANCES INVOLVED	(1) NAME GASOLINE		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN			
	(2) NAME ULR		<input type="checkbox"/> UNKNOWN			
DISCOVERY/ABATEMENT	DATE DISCOVERED 02/20/02		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER SUBSURFACE SAMPLING		<input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS	
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER			
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE					
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER			
	CASE TYPE <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY					
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS)					
	COMMENTS CONTAMINATION WAS DISCOVERED IN THE SOIL DURING SURFACE... SAMPLES FOR ANALYSIS WITH CONCENTRATION AT THIS SITE... A REMEDIATION PLAN... ATTACHED					

INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY

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

REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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

SUBSTANCES INVOLVED

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

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

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

CASE TYPE

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

CURRENT STATUS

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

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

Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
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REMEDIAL ACTION

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

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
REPORT DATE 0 2 2 0 0 2 <small>M M D D Y Y</small>	CASE #	SIGNED _____ DATE _____

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Nora Koskenmaki	PHONE (714) 670-5336	SIGNATURE 	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME BP West Coast Products LLC		
	ADDRESS Four Centerpointe Drive, LPR4-451			

RESPONSIBLE PARTY	NAME BP West Coast Products LLC <input type="checkbox"/> UNKNOWN	CONTACT PERSON Nora Koskenmaki	PHONE (714) 670-5336	
	ADDRESS Four Centerpointe Drive, LPR4-451			
	STREET La Palma		CITY CA	STATE 90623

SITE LOCATION	FACILITY NAME (IF APPLICABLE) ARCO Facility No. 5387	OPERATOR BP West Coast Products LLC	PHONE (510) 786-1610	
	ADDRESS 20200 Hesperian Blvd.			
	STREET Hayward		CITY Alameda	COUNTY ZIP
	CROSS STREET Sunset Blvd.			

IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County	AGENCY NAME Environmental Health	CONTACT PERSON Ariu Levi	PHONE (510) 567-6862
	REGIONAL BOARD California Regional Water Quality Board		Region 2	PHONE (510) 622-2300

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

DISCOVERY/ABATEMENT	DATE DISCOVERED 0 2 0 5 0 2 <small>M M D D Y Y</small>	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER Subsurface sampling	<input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS	
	DATE DISCHARGE BEGAN 0 0 0 0 0 0 <small>M M D D Y Y</small> <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE unknown <small>M M D D Y Y</small>			

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

CASE TYPE	CHECK ONLY ONE <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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CURRENT STATUS	CHECK ONLY ONE <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY
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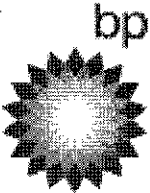
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)	<input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT)	<input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GR) <input type="checkbox"/> REPLACE SUPPLY (RS)	<input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS)
	<input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER			

Contamination was discovered in the soil during subsurface sampling in connection with construction at this site. Per Steven Meeks of Delta Environmental, laboratory data at DP-1 (depth of 7ft) indicated the following concentrations of contaminants: TPHg - 1800 mg/kg, Benzene - <1 mg/kg, Toluene - 36 mg/kg, Ethylbenzene - 25 mg/kg, Xylenes - 140 mg/kg, TBA - 4.1 mg/kg, MtBE - 19 mg/kg, and TAME - 21 mg/kg. All other test analyses for these contaminants were reported as non-detect.

BP submits this URR as a precaution, and the filing of this URR shall not be construed as an admission by BP regarding the above release.

MAR 21 2002

Ro 174



BP West Coast Products LLC
4 Centerpointe, LPR 4-451
La Palma, California 90623

Mailing Address: Box 6038
Artesia, CA 90702-6038

Voice (714) 670-5336
Fax (714) 670-5420
Email koskenm@bp.com

March 18, 2002

Via USPS

Mr. Robert Weston
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

MAR 21 2002

**RE: Unauthorized Release Report for ARCO #5387
20200 Hesperian Boulevard, Hayward**

Mr. Weston:

Enclosed is the URR form you requested in connection with contamination discovered during soil sampling at the abovementioned ARCO station. I have also included the original of the FAX, which was sent on February 20th to notify the following agencies: NRC, CA OES, CA State Water Quality Control Board, Region 2 Water Quality Control Board, and Alameda County. If you will be distributing the carbon copies to any additional agencies, please include the original report, as it contains the laboratory analysis on which the URR is based.

If you have any questions about the enclosed document, or if further information is needed by Alameda County, please contact me at (714) 670-5336.

Best Regards,

Nora Koskenmaki
Environmental Compliance Specialist
BP West Coast Retail Business Unit

bp



Nora Koskenmaki

Environmental Compliance Specialist
West Coast Business Unit

ARCO
4 Centerpointe Drive
La Palma, California 90623-1066

Direct 714 670 5336
Fax 714 670 5420
Mobile 714 746 4275
Pager 909 001 5562
koskenNM@bp.com

c: file 5387



BP West Coast Products
4 Centerpointe Drive, LPR 4641
La Palma, California 90623-1066

Mailing Address: Box 6038
Artesia, CA 90702-6038

Voice (714) 670-5336
Fax (714) 670-5420
Email koskenm@bp.com

MAR 21 2002

Wednesday, February 20, 2002
2:15 PM

via Facsimile
(2 pages)

State Water Resources Control Board
Attention: Liz Haven
1001 I Street
Sacramento, California 95814
FAX# (916) 341-5707

Region 2 Water Quality Control Board –
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612
FAX# (510) 622-2460

Alameda County Environmental Health
Attention: Ariu Levi
1131 Harbor Parkway, Suite 240
Alameda, CA 94502
FAX# (510) 337-9335

**Re: ARCO Facility No. 5387
20200 Hesperian Boulevard, Hayward**

Dear Sir or Madame:

With this, I am transmitting an Underground Storage Tank Unauthorized Release Report in connection with an incident at the facility noted above. Please feel free to call me at (714) 670-5336 with any questions.

Best regards,

Nora Koskenmaki
Environmental Compliance Specialist
bp West Coast Retail Unit

c: Terri Harlan / LPR4-464
File 5387
Steven Meeks, Delta Environmental

DISCLAIMER: This message (including attachments, if any) contains confidential proprietary information, some or all of which may be legally privileged or otherwise protected from unauthorized use, disclosure, distribution or copying. It is for the intended recipient only. If you are not the intended recipient, you may not use, disclose, distribute, copy, print or retain this message or any part of it. If you have received this message in error, please notify us immediately by calling (714) 670-5336 collect.

Gholami, Amir, Env. Health

SHD 817 RO 174

From: smeeks@deltaenv.com
Sent: Tuesday, January 29, 2002 2:15 PM
To: agholami@co.alameda.ca.us
Cc: SUPPLPV@bp.com
Subject: Correction on Pressure grouting pressure for ARCO 5387, 20200 He sperian Blvd. Hayward CA

Amir,

This email is to followup on our phone conversation today regarding a correction to Delta's letter/report dated January 25, 2002. The driller (Cascade) incorrectly stated that the wells will be pressure grouted at approximately 30 psig - this was included in the letter. Based on a followup phone call from the driller, the actual pressure used while pressure grouting is approximately 15 psig.

If you have any questions please feel free to call me at (916) 536-2613.

Thank You,
Steven Meeks

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

Stid 817

December 10, 2001

Mr. Paul Supple
P.O. Box 6459
Moraga, CA 94570

Re: Arco Station at 20200 Hesperian Blvd. Hayward, CA 94541

Dear Mr. Supple:

This agency acknowledge the receipt of "Hand Auger Assessment Boring Results Report" document dated August 25, 2000 prepared by Mr. Steven Meeks of Delta Environmental consultants, Inc. regarding the above referenced site in the past.

Per correspondence sent earlier, this report was made following an investigation under dispenser # 8 at the above referenced site. According to this report the maximum contaminant levels of Benzene was observed at 0.38ppm at 2.5-3.0 feet bgs. This is below RBCA tier 1 level for Benzene for commercial site soil volatilization to outdoor air. There was an insignificant amount of Benzene in other samples collected as well. The highest concentration of MTBE was encountered at the same level (2.5-3.0 ft bgs) at 13ppm. TPH as gasoline was, however, observed as high as 2,400 ppm at this level but much lower at deeper level. Per this report the contamination below dispenser # 8 was not very significant. Thus I indicated that you do not need to further pursue the contamination in this area. However, you still need to continue work with the remaining portion of the property. Please be advised that the case is still open and has not been completed. Therefore, continue work and submit report as required in the past.

If you have any questions and or concerns, please call me at (510)-567-6876.

Sincerely,


Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Steven Meeks, Delta Environmental Inc., 3164 Gold Camp Drive, Rancho Cordova,
CA 95670
files

D 000 318-3

5/18/01



Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Phone: (916) 851-7342
Fax: (916) 638-8385

FAX TRANSMITTAL

DATE: ~~5/18/01~~ 6/11/01
RECIPIENT: Amir K. Fotami
COMPANY: Alameda County Health Care Services
RECIPIENT FAX NO: 916-337-9335
SENDER: Brett Bardsley
NO. OF PAGES TO FOLLOW:
SUBJECT: well search at DWR
DELTA PROJECT NO:

Urgent For Review Please Comment Per Request Please Reply

Message: Please sign and send to DWR, Their fax number is
1-916-227-7600. Thank you. The fax will go to Anne Roth.

This fax may contain information that is privileged or confidential. If you are not the intended recipient, please notify us immediately.



STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
CENTRAL DISTRICT

3251 "S" Street - Sacramento - CA 95816 - (916) 227-7561

**WELL DRILLER'S REPORTS
INSPECTION REQUEST AND AGREEMENT**

Project: Arco Facility 5387 Contract Number: _____
Township, Range and Section: 3S2W18 Address: 20200 Hesperian Boulevard
County: Alameda County Date: May 9, 2001

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

In accordance with the requirements of Section 13752 of the Water Code, 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. 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 governmental agency or to its contracted agents. Any copies furnished to contracted agents must be returned to the Department of Water Resources, Central District upon completion of work by the contracted agent.

No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

<u>Delta Environmental Consultants, Inc.</u>	<u>Alameda County Health Care Services</u>
Contracted Agent	Governmental Agency
<u>3164 Gold Camp Drive, Suite 200</u>	<u>1131 Harbor Bay Parkway, Suite 250</u>
Address	Address
<u>Rancho Cordova, California 95670</u>	<u>Alameda, CA 94502-6577</u>
City, State & Zip Code	City, State & Zip Code
By: <u>Brett Bardsley</u>	By: <u>Amir K. Gholami</u>
Officer	Officer
<u>Staff Geologist</u>	<u>Hazardous Materials Specialist</u>
Title	Title
<u>916-638-2164</u>	<u>510-567-6876</u>
Telephone	Telephone
<u>Brett Bardsley</u>	<u>[Signature]</u>
Signature	Signature
<u>May 9, 2001</u>	<u>6/11/01</u>
Date	Date

(For Department Information: _____ copies sent _____)

DWR Well Search Form.doc

2001.06-11 15:58
 510 337 9335
 ALAMEDA CO EMS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
222	227 7500	06-11 15:57	00' 42	01/01	OK		

7499402045

06/11/2001 13:44 FAX

002



STATE OF CALIFORNIA
 DEPARTMENT OF WATER RESOURCES
CENTRAL DISTRICT

3251 "S" Street - Sacramento - CA 95816 - (916) 227-7561

**WELL DRILLER'S REPORTS
 INSPECTION REQUEST AND AGREEMENT**

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 Township, Range and Section: 3S2W18 Address: 20200 Hesperian Boulevard
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No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

Delta Environmental Consultants, Inc.

Contracted Agent

3164 Gold Camp Drive, Suite 200

Address

Rancho Cordova, California 95670

City, State & Zip Code

By: Brett Bardsley

Officer

Alameda County Health Care Services

Governmental Agency

1131 Harbor Bay Parkway, Suite 250

Address

Alameda, CA 94502-6577

City, State & Zip Code

By: Amir K. Gholami

Officer

2001.06-11 16:13
 510 337 9335
 ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
223	227 7600	06-11 16:12	00' 42	01/01	OK		

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06/11/2001 13:44 FAX

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STATE OF CALIFORNIA
 DEPARTMENT OF WATER RESOURCES
CENTRAL DISTRICT

3251 "8" Street - Sacramento - CA 95816 - (916) 227-7561

**WELL DRILLER'S REPORTS
 INSPECTION REQUEST AND AGREEMENT**

Project: Arco Facility 5387 Contract Number: _____
 Township, Range and Section: 3S2W18 Address: 20200 Hesperian Boulevard
 County: Alameda County Date: May 9, 2001

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

In accordance with the requirements of Section 13752 of the Water Code, 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. 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 governmental agency or to its contracted agents. Any copies furnished to contracted agents must be returned to the Department of Water Resources, Central District upon completion of work by the contracted agent.

No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

Delta Environmental Consultants, Inc.

Contracted Agent

3164 Gold Camp Drive, Suite 200

Address

Rancho Cordova, California 95670

City, State & Zip Code

By: Brett Bardsley

Officer

Alameda County Health Care Services

Governmental Agency

1131 Harbor Bay Parkway, Suite 250

Address

Alameda, CA 94502-8577

City, State & Zip Code

By: Amir K. Gholami

Officer

2020 Hospital Admin

STID 817



Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Phone: (916) 851-7342
Fax: (916) 638-8385

20174

Reviewed
3/11/01
AG

5/14/01

FAX TRANSMITTAL

DATE: 5/11/01
RECIPIENT: Amir K. Pholami
COMPANY: Alameda County Health Care Services
RECIPIENT FAX NO: 510-337-9335
SENDER: Brett Bardsley STENE
NO. OF PAGES TO FOLLOW:
SUBJECT: Well search at DWR
DELTA PROJECT NO:

Urgent For Review Please Comment Per Request Please Reply

Message: Please sign and send to DWR. Their fax number is
1-916-227-7600. Thank you

This fax may contain information that is privileged or confidential. If you are not the intended recipient, please notify us immediately.



STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
CENTRAL DISTRICT

3251 "S" Street - Sacramento - CA 95816 - (916) 227-7561



WELL DRILLER'S REPORTS
INSPECTION REQUEST AND AGREEMENT

Project: Arco Facility 5387 Contract Number: _____
Township, Range and Section: 3S2W18 Address: 20200 Hesperian Boulevard
County: Alameda County Date: May 9, 2001

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No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

Delta Environmental Consultants, Inc.
Contracted Agent
3164 Gold Camp Drive, Suite 200
Address
Rancho Cordova, California 95670
City, State & Zip Code
By: Brett Bardsley
Officer
Staff Geologist
Title
916-638-2164
Telephone
Brett Bardsley
Signature
May 9, 2001
Date

Alameda County Health Care Services
Governmental Agency
1131 Harbor Bay Parkway, Suite 250
Address
Alameda, CA 94502-6577
City, State & Zip Code
By: Amir K. Gholami
Officer
Hazardous Materials Specialist
Title
5114101 510-567-6976
Telephone
[Signature]
Signature
5/14/01
Date

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

Stid 817

October 30, 2000

Mr. Paul Supple
P.O. Box 6459
Moraga, CA 94570

Re: Arco Station at 20200 Hesperian Blvd. Hayward, CA 94541

Dear Mr. Supple:

I am in receipt of "Hand Auger Assessment Boring Results Report" document dated August 25, 2000 prepared by Mr. Steven Meeks of Delta Environmental consultants, Inc. regarding the above referenced site.

As you are aware this report was made following an investigation under dispenser # 8 at the above referenced site. Per this report the maximum contaminant levels of Benzene was observed at 0.38ppm at 2.5-3.0 feet bgs. This is below RBCA tier 1 level for Benzene for commercial site soil volatilization to outdoor air. There was an insignificant amount of Benzene in other samples collected as well. The highest concentration of MTBE was encountered at the same level (2.5-3.0 ft bgs) at 13ppm. TPH as gasoline was, however, observed as high as 2,400 ppm at this level but much lower at deeper level. Per this report the contamination below dispenser # 8 is not very significant. Therefore, you may not need to further pursue the contamination in this area.

Should you have any questions, please call me at (510)-567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Steven Meeks, Delta Environmental Inc., 3164 Gold Camp Drive, Rancho Cordova, CA 95670
Mr. Mike Bakaldin, City of San Leandro, Environmental Services Division, 835 East 14th Street, San Leandro, CA 94577
files

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

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

Stid 817

March 30, 2000

Mr. Paul Supple
Arco Products Company
P.O. Box 6549
Moraga, CA 94566

Re: Property at 20200 Hesperian Blvd. Hayward, CA 94541

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Supple:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

LANDOWNER NOTIFICATION

Re: 20200 Hesperian Blvd. Hayward

March 30, 2000

Page 2 of 2

In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- 1) consider a cleanup proposal (corrective action plan)
- 2) consider a site closure proposal
- 3) make a determination that no further action is required
- 4) issue a closure letter

You may use the enclosed "notice of proposed action" form (sample letter 3) as a template to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Please call me at (510) 567-6876 if you have any questions about the content of this letter.

Sincerely,



Amir K. Gholami, REHS
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB

Attachments: Sample letter 2 and Sample letter 3, which must be filled out by the Responsible Party and mailed to Alameda County.

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

"List of Landowners" form
(Sample Letter 2)

SUBJECT: CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR (Site
name and address)
(to be filled in by the primary responsible party and mailed to
Alameda County)

(Note: Fill out item 1 if there are multiple site landowners. If
you are the sole site landowner, skip item 1 and fill out item 2)

1. In accordance with section 25297.15(a) of Chapter 6.7 of
the Health & Safety Code, I, (name of primary responsible
party), certify that the following is a complete list of
current record fee title owners and their mailing addresses
for the above site:

2. In accordance with section 25297.15(a) of Chapter 6.7 of
the Health & Safety Code, I, (name of primary responsible
party), certify that I am the sole landowner for the above
site.

Sincerely,

Signature of primary responsible party

Name of primary responsible party

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**"Notice of Proposed Action" form
(Sample Letter 3)**

**SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY FOR
(site name and address)
(to be filled in by the primary responsible party and mailed to
Alameda county)**

In accordance with section 25297,15(a) of Chapter 6.7 of the
Health & Safety Code, I, (name of primary responsible party),
certify that I have notified all responsible landowners of the
enclosed proposed action. Check space for applicable proposed
action(s):

- cleanup proposal (corrective action plan)
- site closure proposal
- local agency intention to make a determination that no
further action is required
- local agency intention to issue a closure letter

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners

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

Stid 817

March 22, 2000

Okkin Inc.
C/O Atlantic Richfield Company
PO Box 248500
Los Angeles, CA 90051

Mr. Paul Supple
Arco Products Company
P.O. Box 6549
Moraga, CA 95161

Re: Property at 20200 Hesperian Blvd. Hayward, CA 94541

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Supple:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

LANDOWNER NOTIFICATION

Re: 20200 Hesperian Blvd. Hayward

March 22, 2000

Page 2 of 2

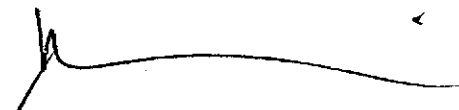
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- 2) consider a site closure proposal
- 3) make a determination that no further action is required
- 4) issue a closure letter

You may use the enclosed "notice of proposed action" form (sample letter 3) as a template to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Please call me at (510) 567-6876 if you have any questions about the content of this letter.

Sincerely,



Amir K. Gholami, REHS
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB

Attachments: Sample letter 2 and Sample letter 3, which must be filled out by the Responsible Party and mailed to Alameda County.

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**"List of Landowners" form
(Sample Letter 2)**

**SUBJECT: CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR (Site
name and address)
(to be filled in by the primary responsible party and mailed to
Alameda County)**

(Note: Fill out item 1 if there are multiple site landowners. If
you are the sole site landowner, skip item 1 and fill out item 2)

1. In accordance with section 25297.15(a) of Chapter 6.7 of
the Health & Safety Code, I, (name of primary responsible
party), certify that the following is a complete list of
current record fee title owners and their mailing addresses
for the above site:

2. In accordance with section 25297.15(a) of Chapter 6.7 of
the Health & Safety Code, I, (name of primary responsible
party), certify that I am the sole landowner for the above
site.

Sincerely,

Signature of primary responsible party

Name of primary responsible party

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**"Notice of Proposed Action" form
(Sample Letter 3)**

**SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY FOR
(site name and address)
(to be filled in by the primary responsible party and mailed to
Alameda county)**

In accordance with section 25297,15(a) of Chapter 6.7 of the
Health & Safety Code, I, (name of primary responsible party),
certify that I have notified all responsible landowners of the
enclosed proposed action. Check space for applicable proposed
action(s):

- cleanup proposal (corrective action plan)
- site closure proposal
- local agency intention to make a determination that no
further action is required
- local agency intention to issue a closure letter

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

Stid 817

February 25, 2000

Mr. Paul Supple
P.O. Box 6459
Moraga, CA 94570

Re: Arco Station at 20200 Hesperian Blvd. Hayward, CA 94541

Dear Mr. Supple:

I have been assigned to oversee the cleanup process at the above referenced site, since Juliet Shin, my former colleague, no longer works at this office. To maintain consistency and continuity, I will pursue her directions in regard to the clean up issues.

I have received and reviewed the "Workplan to Evaluate Hydrocarbon Impacted Soil" regarding the above referenced site dated December 15, 1999. Per Second Quarter 1999 Groundwater Monitoring report and the letter dated September 3, 1999, by Juliet Shin, ← missing formerly of our office, the concentrations of contaminants in most monitoring wells have generally decreased to acceptable levels. Therefore, the groundwater monitoring at the site was to be discontinued until further notice.

I concur with the proposal made by Mr. Glen VanderVeen of The IT Group in regard to the above workplan to investigate contamination in areas below dispensers #6, #7, and #8.

I will be looking forward for the result of this investigation.

If you have any questions, please call me at (510)-567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Glen VanderVeen, The It Group, 2201 Broadway, Suite 101, Oakland, CA 94612-

3023

✓ Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

Stid 817

February 24, 2000

Okkin Inc.
C/O Atlantic Richfield Company
PO Box 248500
Los Angeles, CA 90051

Mr. Paul Supple
Arco Products Company
P.O. Box 612530
San Jose, CA 95161

Re: Property at 20200 Hesperian Blvd. Hayward, CA 94541

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Supple:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

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If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

LANDOWNER NOTIFICATION

Re: 20200 Hesperian Blvd. Hayward

February 24, 2000

Page 2 of 2


In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

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Please call me at (510) 567-6876 if you have any questions about the content of this letter.

Sincerely,


Amir K. Gholami, REHS
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB

Attachments: Sample letter 2 and Sample letter 3, which must be filled out by the Responsible Party and mailed to Alameda County.

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

"List of Landowners" form
(Sample Letter 2)

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name and address)
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Sincerely,

Signature of primary responsible party

Name of primary responsible party

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**"Notice of Proposed Action" form
(Sample Letter 3)**

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(site name and address)
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- local agency intention to make a determination that no
further action is required
- local agency intention to issue a closure letter

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL
PROTECTION
00 MAR -3 PM 3:50

Stid 817

February 24, 2000

Okkin Inc.
C/O Atlantic Richfield Company
PO Box 248500
Los Angeles, CA 90051

Mr. Paul Supple
Arco Products Company
P.O. Box 612530
San Jose, CA 95161

Re: Property at 20200 Hesperian Blvd. Hayward, CA 94541

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

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Supple:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

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LANDOWNER NOTIFICATION

Re: 20200 Hesperian Blvd. Hayward

February 24, 2000

Page 2 of 2

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Please call me at (510) 567-6876 if you have any questions about the content of this letter.

Sincerely,



Amir K. Gholami, REHS
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB

Attachments: Sample letter 2 and Sample letter 3, which must be filled out by the Responsible Party and mailed to Alameda County.

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

"List of Landowners" form
(Sample Letter 2)

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name and address)
(to be filled in by the primary responsible party and mailed to
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(Note: Fill out item 1 if there are multiple site landowners. If
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Sincerely,

Signature of primary responsible party

Name of primary responsible party

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**"Notice of Proposed Action" form
(Sample Letter 3)**

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(site name and address)
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In accordance with section 25297,15(a) of Chapter 6.7 of the
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action(s):

- cleanup proposal (corrective action plan)
- site closure proposal
- local agency intention to make a determination that no
further action is required
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Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners

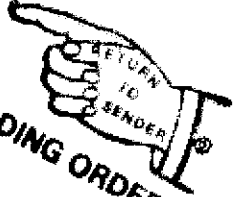
4580



ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY

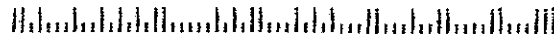
Department Of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577




RETURN TO SENDER
FORWARDING ORDER EXPIRED

Mr. Paul Supple
Arco Products Company
P. O. Box 612530
San Jose, CA 95161

95161-2530 94502/6577



ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

Stid 817

February 8, 2000

Mr. R. Friedrichsen
Thrifty Oil Company
10000 Lakewood Blvd.
Downey, CA 90240

Mr. Michael Whelan
Arco Products Company
P.O. Box 612530
San Jose, CA 95161

Re: Property at 20200 Hesperian Blvd. Hayward, CA 94541

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Messrs. Friedrichsen and Whelan:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

00 FEB 29 AM 10:49

ENVIRONMENTAL
PROTECTION

LANDOWNER NOTIFICATION

Re: 20200 Hesperian Blvd. Hayward
February 8, 2000
Page 2 of 2

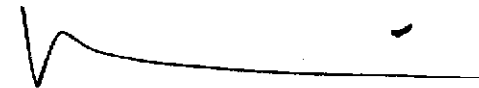
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- 1) consider a cleanup proposal (corrective action plan)
- 2) consider a site closure proposal
- 3) make a determination that no further action is required
- 4) issue a closure letter

You may use the enclosed "notice of proposed action" form (sample letter 3) as a template to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Please call me at (510) 567-6876 if you have any questions about the content of this letter.

Sincerely,



Amir K. Gholami, REHS
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB

Attachments: Sample letter 2 and Sample letter 3, which must be filled out by the Responsible Party and mailed to Alameda County.

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**"List of Landowners" form
(Sample Letter 2)**

**SUBJECT: CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR (Site
name and address)
(to be filled in by the primary responsible party and mailed to
Alameda County)**

(Note: Fill out item 1 if there are multiple site landowners. If
you are the sole site landowner, skip item 1 and fill out item 2)

1. In accordance with section 25297.15(a) of Chapter 6.7 of
the Health & Safety Code, I, (name of primary responsible
party), certify that the following is a complete list of
current record fee title owners and their mailing addresses
for the above site:

2. In accordance with section 25297.15(a) of Chapter 6.7 of
the Health & Safety Code, I, (name of primary responsible
party), certify that I am the sole landowner for the above
site.

Sincerely,

Signature of primary responsible party

Name of primary responsible party

Alameda County Health care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**"Notice of Proposed Action" form
(Sample Letter 3)**

SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY FOR
(site name and address)
**(to be filled in by the primary responsible party and mailed to
Alameda county)**

In accordance with section 25297,15(a) of Chapter 6.7 of the
Health & Safety Code, I, (name of primary responsible party),
certify that I have notified all responsible landowners of the
enclosed proposed action. Check space for applicable proposed
action(s):

- cleanup proposal (corrective action plan)
- site closure proposal
- local agency intention to make a determination that no
further action is required
- local agency intention to issue a closure letter

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

September 22, 1999

Mr. Paul Superal
Arco Products Company
P.O. Box 6549
Moraga, CA 94570

STID: 817

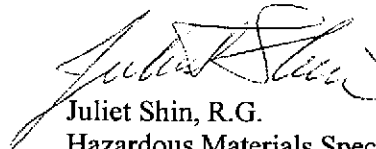
Re: Extension for the submittal of a workplan for the site located at 20200 Hesperian Blvd.,
Hayward, CA

Dear Mr. Superal,

Per the September 20, 1999 request of your consultant, Glen VanderVeen, The IT Group, this office has granted you an extension for the submittal of the workplan, requested in our September 03, 1999 letter to your office, from October 29, 1999 to November 30, 1999.

If you have any questions or comments in the interim, please contact me at (510) 567-6763.

Sincerely,


Juliet Shin, R.G.
Hazardous Materials Specialist

Cc: Glen VanderVeen
The IT Group
2201 Broadway, Ste 101
Oakland, CA 94612-3023

Hugh Murphy, Hayward Fire Dept.

1999.09-22 13:16
 510 337 9335
 ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
222	510 663 3315	09-22 13:16	00:29	01/01	OK		

7499402046

ALAMEDA COUNTY
 HEALTH CARE SERVICES

AGENCY
 DAVID J. KEARS, Agency Director



Post-It™ brand fax transmittal memo 7671 # of pages = 1

To	Glen VanderVeen	From	Juliet Shin
Co.	IT Group	Co.	Alameda City
Dept.		Phone #	510-567-6763
Fax #	510-663-3315	Fax #	510-337-9335

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

September 22, 1999

Mr. Paul Superal
 Arco Products Company
 P.O. Box 6549
 Moraga, CA 94570

STID: 817

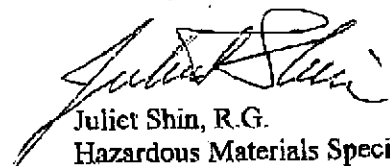
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 Hayward, CA

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If you have any questions or comments in the interim, please contact me at (510) 567-6763.

Sincerely,


 Juliet Shin, R.G.
 Hazardous Materials Specialist



ENVIRONMENTAL
PROTECTION

99 SEP 21 PM 2:55

1 Broadway, Suite 101
Oakland, CA 94612-3023
Tel. 510.740.5800
Fax. 510.663.3315

September 20, 1999
Project 791633

Ms. Juliet Shin
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502

Re: Thrifty Oil Co. Station #052, 20200 Hesperian Boulevard, Hayward, California

Dear Ms. Shin:

This letter is written by Pinnacle Environmental Solutions, a member of the IT Group (Pinnacle) on behalf of ARCO Products Company (ARCO) regarding your letter to ARCO dated September 3, 1999, requesting a workplan for the above-referenced site. The letter requests a workplan be submitted to Alameda County Health Care Services Agency (ACHCSA) by October 29, 1999. Pinnacle respectfully requests an extension for workplan submittal until November 30, 1999, so that ARCO's records regarding past environmental work and recent system upgrade and/or maintenance work can be obtained. These records will be used in the evaluation of appropriate action to be taken at the site.

Please call me directly at (510) 740-5807 if you have any questions regarding this request. The courtesy of your written response would be appreciated.

Sincerely,

PINNACLE

A handwritten signature in black ink, appearing to read 'Glen VanderVeen', written over a horizontal line.

Glen VanderVeen
Project Manager

cc: Mr. Paul Supple, ARCO

Post-It® Fax Note	7671	Date	9/20/99	# of pages	1
To	Juliet Shin	From	Glen VanderVeen		
Co./Dept.	ACHCSA	Co.	IT		
Phone #		Phone #	510 740 5807		
Fax #	510 837 9335	Fax #			

2201 Broadway, Suite 101
 Oakland, CA 94612-3023
 Tel. 510.740.5800
 Fax. 510.663.3315



September 20, 1999
 Project 791633

Ms. Juliet Shin
 Alameda County Health Care Services Agency
 Department of Environmental Health
 1131 Harbor Bay Parkway, Room 250
 Alameda, California 94502

Re: Thrifty Oil Co. Station #052, 20200 Hesperian Boulevard, Hayward, California

Dear Ms. Shin:

This letter is written by Pinnacle Environmental Solutions, a member of the IT Group (Pinnacle) on behalf of ARCO Products Company (ARCO) regarding your letter to ARCO dated September 3, 1999, requesting a workplan for the above-referenced site. The letter requests a workplan be submitted to Alameda County Health Care Services Agency (ACHCSA) by October 29, 1999. Pinnacle respectfully requests an extension for workplan submittal until November 30, 1999, so that ARCO's records regarding past environmental work and recent system upgrade and/or maintenance work can be obtained. These records will be used in the evaluation of appropriate action to be taken at the site.

Please call me directly at (510) 740-5807 if you have any questions regarding this request. The courtesy of your written response would be appreciated.

Sincerely,

PINNACLE

Glen VanderVeen
 Project Manager

cc: Mr. Paul Supple, ARCO

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

July 13, 1999

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

Derek A. Reichart
Environmental Administrator
Arco Products Company
P. O. Box 6038
Artesia, California 90702-6038

Subject: Request for underground storage tank leak detection records for first half of calendar year 1999

Dear Mr. Reichart:

The underground storage tanks (USTs) on the attached list, containing motor vehicle fuel are single wall fiberglass tanks. These tanks are required to be monitored for leaks using an automatic tank gauge. The automatic tank gauge shall test the tank at least once per month after product delivery or when the tank is filled to within 10 % of the highest operating level during the previous month and shall be capable of detecting a release of 0.2 gallon per hour.

This is a formal request for copies of the data from those monthly tests. Please submit all test data for the months of January, February, March, April, May and June of 1999. The reports shall include the calculated leak rate and leak threshold for the automatic tank gauge systems installed after January 1, 1995. Data for all USTs shall be submitted within 10 days of this letter.

Additionally, a year end summary is required to be submitted no later than January 30, 2000.

If you have any questions regarding this letter please contact me at (510) 567-6781.

Sincerely,

Robert Weston
Sr. Hazardous Materials Specialist

enclosure

c: Tom Peacock, ACDEP
Juliet Shin, ACDEP

Arco Stations with Single Wall Fiberglass USTs

1. #05387 20200 Hesperian Blvd Hayward CA 94541
2. #04977 2770 Castro Valley Blvd Castro Valley CA 94546
3. #06041 7249 Village Parkway Dublin CA 94568

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
 Suite 250
 Alameda, CA 94502-6577
 (510) 567-6700

II, III

Site ID # 817 Site Name ARCO/Thrifty Oil Today's Date 5/27/99

Site Address 20200 Hesperian Blvd.

City Hayward Zip 94 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:

Came out to site at 9:00AM to meet w/ Ray Friedrichsen, Thrifty Oil, and Rob Weston, Alameda County, to inspect soils below dispensers for odor or stains & to oversee collection of samples. Rob Weston pointed out that it was Dispenser #8 that was leaking back in December '98 at the "insect valve". Stains from the previous leak observed on the valve, whereas all other valves looked clean. Priscilla Rucker, employee at station, said that she smells odor (strong) of petroleum whenever she removes the dispenser door to take meter readings. Rob Weston mentioned to Ray Friedrichsen that Tate + Associates, consultants to ARCO, have replaced the dispensers at 3 of the 5 ARCO sites Mr. Weston oversees. Mr. Friedrichsen said he'll call + talk to Tate + Assoc. + ARCO again about the possibility of dispensers being replaced at this site or get back to me. Much of the sand backfill around dispenser pipes were removed in Dec '98 while re-booting dispenser piping. Native black clay was immediately encountered below the sand backfill.

II, III

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

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

III. UNDERGROUND TANKS (Title 23)

- | | |
|---|---|
| General | <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 test |
| | 8) Annual Tank Testing
Daily inventory |
| | 9) Other _____ |
| | <input type="checkbox"/> 7. Precs 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 | |
| New Tanks | <input type="checkbox"/> 11. Monitor Plan 2632 |
| | <input type="checkbox"/> 12. Access, Secure 2634 |
| | <input type="checkbox"/> 13. Plans Submitt 2711
Date: _____ |
| | <input type="checkbox"/> 14. As Built 2635
Date: _____ |

Rev 6/88

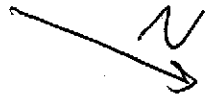
Contact: _____

Title: _____

Signature: _____

Inspector: Juliet Shin

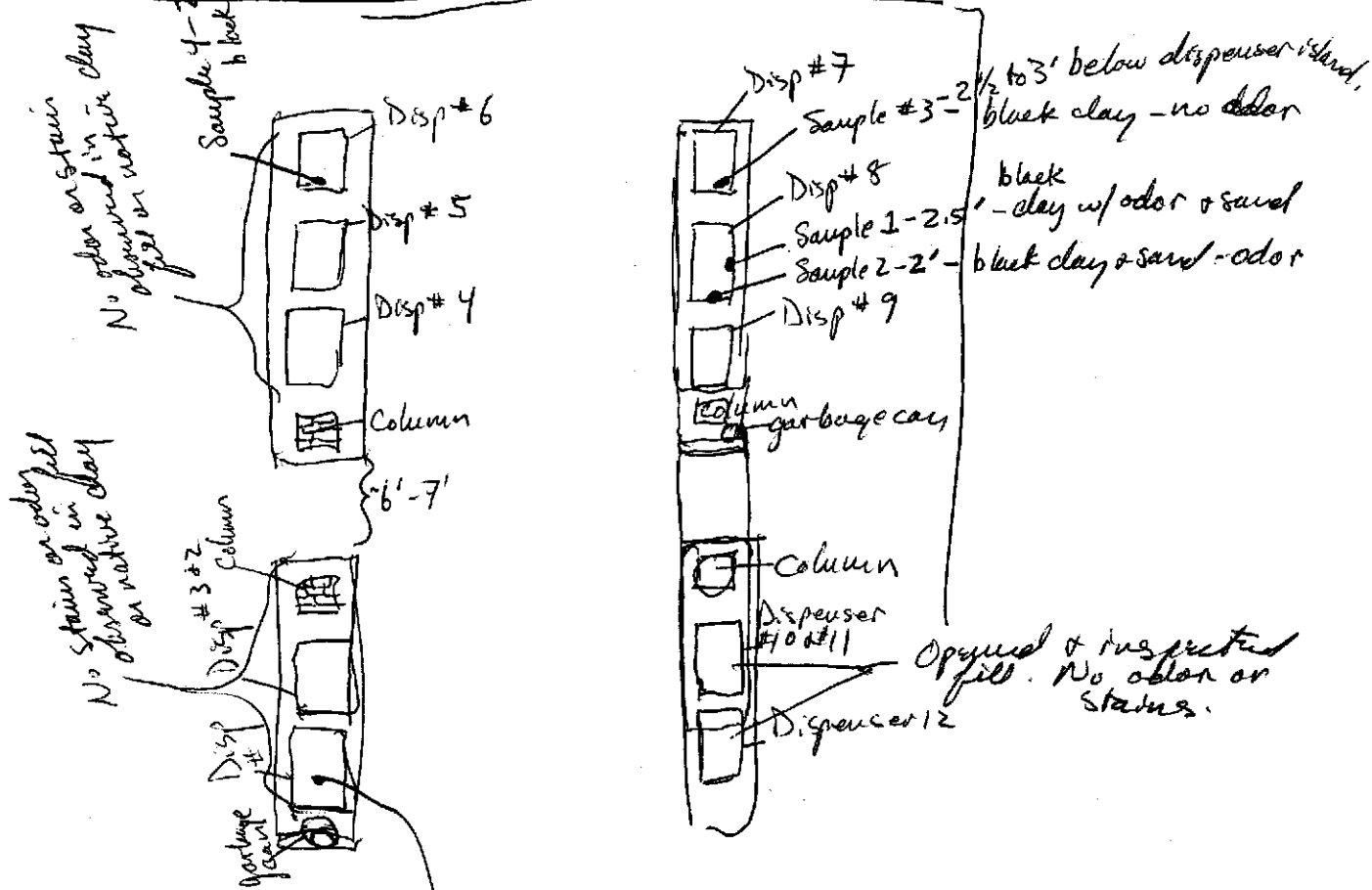
Signature: Juliet Shin



Harp

clay is really plastic moist, not wet

2 1/2' below dispenser island
black clay, plastic, no odor
& sand



No odor or stain observed in clay
fill or native clay

No stain or odor fill
observed in clay
or native clay

1/2 to 3' below dispenser island,
black clay - no odor

black clay w/ odor & sand
Sample 1 - 2.5'
Sample 2 - 2' - black clay & sand - odor

Opened & inspected fill. No odor or stains.

Attempted to collect a sample from bottom of excavated dispenser. Hit something at ~ 3' deep. Possibly dispenser pipe. Went down to native & did not smell any odor or see discoloration in fill

- 4 samples were used. Will be taken to Fairfield to Ray's co-workers who will overnight it to American Analytics, Chatsworth, CA.
- Sample IDs based on Disp # & direction.



05/27/99 - ARCO 20200 Hesperian Blvd, Hayward
08815307440-02 0435 8559
COPIES & ENLARGEMENTS CALL 800-421-1030
Dispenser #8 where impact valve was leaking in
Dec '98. Status observed on valve. Sand excavated in
Dec '98 due to re-boring of pipes.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

ALAMEDA COUNTY ENVIRONMENTAL HEALTH LABORATORY

DATE SAMPLED: 10/22/98
DATE RECEIVED: 10/22/98
DATE REPORTED: 10/28/98

LABORATORY NUMBER: 98-033

LOCATION: THRIFTY OIL COMPANY
 20200 HESPERIAN BLVD.
 HAYWARD, CA

RESULTS: SEE ATTACHED



FINAL APPROVAL

LABORATORY NUMBER: 98-033
LOCATION: THRIFTY OIL COMPANY
20200 HESPERIAN BLVD.
HAYWARD, CA

DATE SAMPLED: 10/22/98
DATE RECEIVED: 10/22/98
DATE REPORTED: 10/28/98

ANALYSIS: MTBE
ANALYSIS METHOD: EPA 602, 8020

SAMPLE#	LABORATORY#	MTBE (µg/l)
MW-1	98-033-1	21.9
MW-2	98-033-2	13.6
MW-3	98-033-3	0.5
AR-1	98-033-4	114.3

QA/QC SUMMARY

RPD, %	0.5
RECOVERY %	104

LABORATORY NUMBER: 98-033
LOCATION: THRIFTY OIL COMPANY
20200 HESPERIAN BLVD.
HAYWARD, CA

DATE SAMPLED: 10/22/98
DATE RECEIVED: 10/22/98
DATE REPORTED: 10/28/98

ANALYSIS: BENZENE
ANALYSIS METHOD: EPA 602, 8020

SAMPLE#	LABORATORY#	BENZENE (µg/l)
MW-1	98-033-1	ND (0.3)
MW-2	98-033-2	1.1
MW-3	98-033-3	ND (0.3)
AR-1	98-033-4	0.3

ND=non detected (detection limit indicated in parenthesis).

QA/QC SUMMARY

RPD, %	11
RECOVERY %	98

LABORATORY NUMBER: 98-033
LOCATION: THRIFTY OIL COMPANY
20200 HESPERIAN BLVD.
HAYWARD, CA

DATE SAMPLED: 10/22/98
DATE RECEIVED: 10/22/98
DATE REPORTED: 10/28/98

ANALYSIS: TOLUENE
ANALYSIS METHOD: EPA 602, 8020

SAMPLE#	LABORATORY#	TOLUENE (µg/l)
MW-1	98-033-1	ND (0.3)
MW-2	98-033-2	ND (0.3)
MW-3	98-033-3	ND (0.3)
AR-1	98-033-4	ND (0.3)

ND=non detected (detection limit indicated in parenthesis).

QA/QC SUMMARY

RPD, %	0
RECOVERY %	97

LABORATORY NUMBER: 98-033
LOCATION: THRIFTY OIL COMPANY
20200 HESPERIAN BLVD.
HAYWARD, CA

DATE SAMPLED: 10/22/98
DATE RECEIVED: 10/22/98
DATE REPORTED: 10/28/98

ANALYSIS: ETHYLBENZENE
ANALYSIS METHOD: EPA 602, 8020

SAMPLE#	LABORATORY#	ETHYLBENZENE (µg/l)
MW-1	98-033-1	ND (0.3)
MW-2	98-033-2	1.3
MW-3	98-033-3	ND (0.3)
AR-1	98-033-4	ND (0.3)

ND=non detected (detection limit indicated in parenthesis).

QA/QC SUMMARY

RPD, %	7
RECOVERY %	115

LABORATORY NUMBER: 98-033
LOCATION: THRIFTY OIL COMPANY
20200 HESPERIAN BLVD.
HAYWARD, CA

DATE SAMPLED: 10/22/98
DATE RECEIVED: 10/22/98
DATE REPORTED: 10/28/98

ANALYSIS: XYLENES
ANALYSIS METHOD: EPA 602, 8020

SAMPLE#	LABORATORY#	XYLENES (µg/l)
MW-1	98-033-1	2.0
MW-2	98-033-2	ND (0.6)
MW-3	98-033-3	ND (0.6)
AR-1	98-033-4	ND (0.6)

ND=non detected (detection limit indicated in parenthesis).

QA/QC SUMMARY

RPD, %	9
RECOVERY %	85

LABORATORY NUMBER: 98-033
LOCATION: THRIFTY OIL COMPANY
20200 HESPERIAN BLVD.
HAYWARD, CA

DATE SAMPLED: 10/22/98
DATE RECEIVED: 10/22/98
DATE REPORTED: 10/28/98

ANALYSIS: TOTAL PETROLEUM HYDROCARBONS-GASOLINE
ANALYSIS METHOD: DHS: GC-FID

SAMPLE#	LABORATORY	TPH-GAS (µg/l)
MW-1	98-033-1	ND (500)
MW-2	98-033-2	ND (500)
MW-3	98-033-3	ND (500)
AR-1	98-033-4	ND (500)

ND=non detected (detection limit indicated in parenthesis).

QA/QC SUMMARY

RPD, %	10
RECOVERY %	90

LAB# 98-033

white - lab
 yellow - insp. file
 pink - fac. file

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DIVISION OF HAZARDOUS MATERIALS
 80 SWAN WAY, ROOM 200
 OAKLAND, CA 94621
 (415) 271-4320

LABORATORY SERVICE REQUEST

SITENAME Thrifty Oil Co.
 ADDRESS 20200 Hesperian Blvd, Hayward
 SAMPLE SUBMITTED TO: Env. Health Lab
 DATE SUBMITTED 10/22/98 3PM
 SEND INVOICE TO: _____

SEND ANALYTICAL REPORT TO ABOVE OR:
Juliet Shin, Haz Mat
 ATTN: _____

_____ RUSH = ABOUT 1 WEEK TURNAROUND
 _____ ROUTINE = ABOUT 2 WEEKS TURNAROUND

SAMPLE NO.	DATE/TIME COLLECTED	TYPE OF MATERIAL (WATER, SOIL OR MATRIX)	VOLUME/WEIGHT	FIELD OBSERVATION	ANALYSIS REQUESTED
MW-1	9:30A	groundwater	40ml/UA		TPH & BTEX
MW-2	11:30A	"	"	Odor in water	"
MW-2 Dup-1	11:30A	"	"		"
MW-2 Dup-2	11:30A	"	"		"
MW-3	10:00A	"	"		"
AR-1	11:50A	"	"		"

Chain of Custody:

1. Juliet Shin Haz Mat Spec 10/22/98
 Signature Title Inclusive Dates
 2. [Signature] Haz Mat Spec 10/22/98
 Signature Title Inclusive Dates
 3. [Signature] Chemist 10/22/98
 Signature Title Inclusive Dates

white - lab
 yellow - insp. file
 pink - fac. file

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DIVISION OF HAZARDOUS MATERIALS
 80 SWAN WAY, ROOM 200
 OAKLAND, CA 94621
 (415) 271-4320

LABORATORY SERVICE REQUEST

SITENAME Thrifty Oil Co.
 ADDRESS 20200 Hesperian Blvd, Hayward
 SAMPLE SUBMITTED TO: Env. Health Lab
 DATE SUBMITTED 10/22/98 3PM
 SEND INVOICE TO: _____

SEND ANALYTICAL REPORT TO ABOVE OR:
Juliet Shin, Haz Mat
 ATTN: ↓

_____ RUSH = ABOUT 1 WEEK TURNAROUND
 _____ ROUTINE = ABOUT 2 WEEKS TURN-AROUND

SAMPLE NO.	DATE/TIME COLLECTED	TYPE OF MATERIAL (WATER, SOIL OR MATRIX)	VOLUME/WEIGHT	FIELD OBSERVATION	ANALYSIS REQUESTED
MW-1	9:30A	groundwater	40ml/UA		TPHG + BTEX
MW-2	11:30A	"	"	Odor in water	"
MW-2 Dup-1	11:30A	"	"		"
MW-2 Dup-2	11:30A	"	"		"
MW-3	10:00A	"	"		"
AR-1	11:50A	"	"		"

Chain of Custody:

1.	<u>Juliet Shin</u> Signature	<u>Haz Mat Spec</u> Title	<u>10/22/98</u> Inclusive Dates
2.	_____ Signature	_____ Title	_____ Inclusive Dates
3.	_____ Signature	_____ Title	_____ Inclusive Dates



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

(818) 998-5547

(818) 998-5548

1-800-533-TEST

1-800-533-8378

FAX (818) 998-7258

DATE: 10-22-98

PAGE 1 OF 4

AA Client T.O.C.						Phone 562/421-3581	Sampler's Name JERRON P			
Project Manager JEFF SURYAKUSUMA						P.O. No.	Sampler's Signature [Signature]			
Project Name Q.W.S						Project No.	Project Manager's Signature [Signature]			
Job Name and Address #052 20200 HESPERIAN Blvd - HAYWARD, CA 94541						ANALYSIS REQUIRED				
						Detection Limits	Test Requirements			
						Test Name				
AA ID.#	Client's ID.	Date	Time	Sample Type	Number of Containers	TPH	BTEX	MTBE	MTBE by 260	
78151	A-10	10.22.98	14:20	WATER	3	X	X	X		
78152	A-7	↑	14:30	↑	3	X	X	X		
78153	A-9	↑	14:40	↑	3	X	X	X		
78154	A-6	↑	14:50	↑	3	X	X	X		
78155	A-4	↑	15:00	↑	3	X	X	X		
78156	A-5	↑	15:10	↑	3	X	X	X		
78157	AR-2	↑	15:20	↑	3	X	X	X		
78158	A-8	↑	15:30	↑	3	X	X	X		
78159	MW-1	↑	15:35	↑	3	X	X	X		
78160	MW-2	↑	15:40	↑	3	X	X	X		
78161	MW-3	↑	15:45	↑	3	X	X	X		
78162	AR-1	↓	15:50	↓	3	X	X	X		
78163	TRIP BLANK	↓	7:30	↓	2	X	X	X		
38						<i>MTBE Confirmation by GC/MS order per client request</i>				
SAMPLE INTEGRITY-TO BE FILLED IN BY RECEIVING LAB						Relinquished by: [Signature]		Date: 10.22.98	Time: 11:200	Received by: CA-OVERNIGHT
Samples Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Relinquished by: CA-OVERNIGHT		Date: 10.26.98	Time: 11:30	Received by:
Samples Property Cooled Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Relinquished by:		Date: 10.27.98	Time: 11:00	Received by: Vernon Hunt
Samples Accepted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Relinquished by:		Date:	Time:	Received by:
If Not Why: _____						Relinquished by:		Date:	Time:	Received by:
AA Project No. A135052-12						Relinquished by:		Date:	Time:	Received by:

Pg. 1

1/4

white	-env. health
yellow	-facility
pink	-files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
 Suite 250
 Alameda, CA 94502-6577
 (510) 567-6700

II, III

Site ID # _____ Site Name Thrifty Oil Today's Date 10/22/98

Site Address 20200 Hesperian Blvd.
 City Hayward Zip 94 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: @ 8:00 AM
 Came out to site to oversee groundwater sampling of MW-1, MW-2, MW-3, and AR-1, which are the on-site wells with the highest historical concentrations of TPH6 and BTEX. Met Samper, Serban w/ Thrifty Oil. MW-1 vault box was filled w/ water. According to Serban this is a common occurrence. This is unacceptable because it may be acting as a slow conduit to groundwater. This water was bailed out w/ bucket into drums and pumped out w/ centrifugal pump. Other well vaults contained water, such as AR-1.
 MW-3 water level - 9.10'
 MW-2 water level - 11.1'
 Water level meter cleaned w/ ~~PH~~ between water level measurements. (Phosphate free liquid detergent (Ehoite Supply & Service))
 AR-1 water level - 9.8'
 MW-1 water level - 9.7'

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25534(b)
- 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 | |
| <hr/> | | |
| 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 Groundwater
One time soils | |
| | 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/grdwtr 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 _____ | |
| <hr/> | | |
| New Tanks | <input type="checkbox"/> 7. Precs Tank Test Date: 2643 | |
| | <input type="checkbox"/> 8. Inventory Rec. 2644 | |
| | <input type="checkbox"/> 9. Soil Testing . 2646 | |
| | <input type="checkbox"/> 10. Ground Water. 2647 | |
| | <hr/> | |
| | <input type="checkbox"/> 11. Monitor Plan 2632 | |
| | <input type="checkbox"/> 12. Access. Secure 2634 | |
| | <input type="checkbox"/> 13. Plans Submit Date: 2711 | |
| | <input type="checkbox"/> 14. As Built Date: 2635 | |

Rev 6/88

Contact: Serban, Thrifty Oil
 Title: _____
 Signature: [Signature]

Inspector: Juliet Shin
 Signature: [Signature]

II, III

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Inspection Form

II, III

white -env.health yellow -facility pink -files

Site ID # Site Name Thrifty Oil Today's Date 10/22/98

Site Address 20200 Hesperian Blvd. City Hayward Zip 94 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: @ 8:00 AM

Came out to site to oversee groundwater sampling of MW-1, MW-2, MW-3, and AR-1, which are the on-site wells with the highest historical concentrations of TPH6 and BTEX. Met sampler, Serban w/ Thrifty Oil. MW-1 vault box was filled w/ water. According to Serban this is a common occurrence. This is unacceptable because it may be acting as a slow conduit to groundwater. This water was bailed out w/ bucket into drums and pumped out w/ centrifugal pump. Other well vaults contained water, such as AR-1.

MW-3 water level - 9.10' MW-2 water level - 11.1'

Water level meter cleaned w/ phosphate free liquid detergent (Ehuira Supply & Service) between water level measurements AR-1 water level - 9.8' MW-1 water level - 9.7'

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

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

III. UNDERGROUND TANKS (Title 23)

- General 1. Permit Application 25284 (H&S) 2. Pipeline Leak Detection 25292 (H&S) 3. Records Maintenance 2712 4. Release Report 2651 5. Closure Plans 2670 6. Method 1) Monthly Test 2) Daily Vadose Semi-annual groundwater One time soils 3) Daily Vadose One time soils Annual tank test 4) Monthly Gndwater One time soils 5) Daily Inventory Annual tank testing Cont pipe leak det Vadose/gndwater mon. 6) Daily Inventory Annual tank testing Cont pipe leak det 7) Weekly Tank Gauge Annual tank testing 8) Annual Tank Testing Daily Inventory 9) Other 7. Precs Tank Test 2643 Date: 8. Inventory Rec. 2644 9. Soil Testing 2646 10. Ground Water. 2647 11. Monitor Plan 2632 12. Access. Secure 2634 13. Plans Submit 2711 Date: 14. As Built 2635 Date:

II, III

Contact: Serban, Thrifty Oil Title: Signature: [Signature]

Inspector: Juliet Shin Signature: [Signature]

Pg 2

2/4

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
 Suite 250
 Alameda, CA 94502-6577
 (510) 567-6700

II, III

Site ID # _____ Site Name Thrifty Oil Today's Date 20/22/98

II.A BUSINESS PLANS (Title 19)

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

Site Address 20200 Hesperian Blvd.

City Hayward Zip 94 Phone _____

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

Inspection Categories:

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

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

II.B ACUTELY HAZ. MATS

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

III. UNDERGROUND TANKS (Title 23)

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

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

- ___ 7. Precis Tank Test Date: 2643
- ___ 8. Inventory Rec. 2644
- ___ 9. Soil Testing 2646
- ___ 10. Ground Water. 2647

- New Tanks
- ___ 11. Monitor Plan 2632
 - ___ 12. Access. Secure 2634
 - ___ 13. Plans Submit 2711
 - Date: _____
 - ___ 14. As Built 2635
 - Date: _____

Rev 8/88

Comments:

Wells	Depth of well	DTW	Barrels per casing
MW-1	28	9.7	$9.7 \times .617 = 28 - 9.7 \times .617 =$
MW-2	26.4	11.1	$11.1 \times .617 = 26.4 - 11.1 \times .617 =$
MW-3	27.4	9.1	$9.1 \times .617 = 27.4 - 9.1 \times .617 =$
AR-1	34	9.8	

-Purging done w/ 15' hose from centrifugal pump into well.

-Sheen noted on top of water in drum collecting purgewater from well MW-1. But may be from residue from drum.

MW-1 pH=6.6 Temp 51° Cond. 3.4
 pH=5.8 Temp 48° Cond 4.7
 pH=5.6 Temp 50° Cond 7.2
 pH=5.8 Temp 52° Cond 3.5

The battery in pH meter is low, so it may be contributing to inconsistent cond. reading. Over 33 gallons, 3 casing volumes of MW-1 were purged. Disposable bailer used to collect g.w. sample from MW-1.

II, III

Contact: _____

Title: _____

Signature: [Signature]

Inspector: [Signature]

Signature: _____

Pg 2

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
 Suite 250
 Alameda, CA 94502-6577
 (510) 567-6700

II, III

Site ID # _____ Site Name Thrifty Oil Today's Date 10/22/98

Site Address 20200 Hesperian Blvd.

City Hayward Zip 94 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:

Wells	Depth of well	DTW	Gallons per casing
MW-1	28	9.7 x .617	(28-9.7) x .617 = 9
MW-2	26.4	11.1 x .617	(26.4-11.1) x .617 =
MW-3	27.4	9.1 x .617	(27.4-9.1) x .617 =
AR-1	34	9.8	

-Purging done w/ 15' hose from centrifugal pump into well.

-Sheen noted on top of water in drum collecting purgewater from well MW-1. But may be from residual from drum.

MW-1 pH=6.6 Temp 51° Cond. 3.4
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The battery in pH meter is low, so it may be contributing to inconsistent cond. reading. Over 33 gallons, 3 casing volumes of MW-1 were purged. Disposable bailer used to collect g.w. sample from MW-1.

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

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

III. UNDERGROUND TANKS (Title 23)

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

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

- 7. Precip Tank Test Date: 2643
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water. 2647

- New Tanks
- 11. Monitor Plan 2632
 - 12. Access. Secure 2634
 - 13. Plans Submit Date: 2711
 - 14. As Built Date: 2635

II, III

Contact: _____

Title: _____

Signature: P. Star

Inspector: Juliet Shur

Signature: _____

3/8

Pa 3

white -env.health
yellow -facility
pink -files

hcl in vault?

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II, III

Site ID # _____ Site Name Thrifty Oil Today's Date 10/22/98

Site Address 20200 Hesperian Blvd
City Hayward Zip 94 Phone _____

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- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

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

Comments:

Groundwater samples shall be analyzed for TPH₆, BTEX, and MTBE and other oxygenates and lead scavengers per the County's letter. The water is getting into vault boxes through holes in lid where screws used to be. These holes must be kept covered.

MW-3 pH Temp Cond
Meter is not working properly. Will just evacuate/purge three casing volumes. Decided to buy ^{new} battery for meter.

MW-3 pH 6.9 Temp 64 Cond 0.1
Meter still not working properly even w/ new battery. Will just stick to purging three casing volumes. Over 30 gallons purged a water sample collected using disposable beaker. No bubbles noted in vials.

AR-1 - water in vault box. It appears that surface runoff infiltrating through holes in lid for missing screws. Purged using hose already in well, which is 17' long.

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
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II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
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III. UNDERGROUND TANKS (Title 23)

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

- 7. Precs Tank Test 2643
Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water. 2647

- New Tanks
- 11. Monitor Plan 2632
 - 12. Access. Secure 2634
 - 13. Plans Submit 2711
Date: _____
 - 14. As Built 2635
Date: _____

Rev 6/88

II, III

Contact: _____

Title: _____

Signature: [Signature]

Inspector: Juliet Shin

Signature: _____

3/13

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II, III

white -env.health
yellow -facility
pink -files

Site ID # _____ Site Name Thrifty Oil Today's Date 10/22/98

Site Address 20200 Hesperian Blvd

City Hayward Zip 94 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:

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MW-3 pH Temp Cond
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MW-3 pH 6.9 Temp 64 Cond 0.1
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AR-1 - water in vault box. It appears that surface runoff infiltrating through holes in lid for missing screws. Purged using hose already in well, which is 17' long.

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
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- 18. Exemption Request? (Y/N) 25536(b)
- 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 Groundwater
One time soils |
| | 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/groundwater mon. |
| | 6) Daily Inventory
Annual tank testing
Cont pipe leak det |
| | 7) Weekly Tank Gauge
Annual tank testing |
| | 8) Annual Tank Testing
Daily Inventory |
| | 9) Other |
| New Tanks | <input type="checkbox"/> 7. Precs Tank Test Date: 2643 |
| | <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 Date: 2711 | |
| <input type="checkbox"/> 14. As Built Date: 2635 | |

Rev 8/88

II, III

Contact: _____

Title: _____

Signature: [Signature]

Inspector: Juliet Shin

Signature: _____

Pg 4

4/4

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

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

II, III

Site ID # _____ Site Name Thrifty Oil Today's Date 10/22/98

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Stds. 25503(b)
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- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

Site Address 20200 Hesperian Blvd

City Hayward Zip 94 Phone _____

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

Inspection Categories:

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

II.B ACUTELY HAZ. MATLS

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

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

III. UNDERGROUND TANKS (Title 23)

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

- Monitoring for Existing Tanks
- ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time sals
 - 3) Daily Vadose One time sals Annual tank test
 - 4) Monthly Gndwater One time sals
 - 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 teting
 - 8) Annual Tank Testing Daily Inventory
 - 9) Other _____

- ___ 7. Precis Tank Test Date: _____ 2643
- ___ 8. Inventory Rec. 2644
- ___ 9. Soil Testing 2646
- ___ 10. Ground Water. 2647

- New Tanks
- ___ 11. Monitor Plan 2632
 - ___ 12. Access. Secure 2634
 - ___ 13. Plans Submit Date: _____ 2711
 - ___ 14. As Built Date: _____ 2635

Rev 6/88

Comments:
 MW-2 - Purging of well done - pump down hose down to 15'. Pumping at 2-3 gallons/minute. (APC Corporation pump attached to compressor).
 Purge water contained emanated ~~strong odor~~
 MW-2. 33 gallons were purged from Well MW-2. ~~One sample~~ Three VOA vials filled from MW-2. (Two are duplicates).
 Lab name is American Analytics (818)998-5547 at 9765 Eton Ave, Chatsworth, CA 91311.
 124 gallons were purged from AR-1. O.W. samples collected from AR-1.

II, III

Contact: _____

Title: _____

Signature: Datay

Inspector: Juliet Shin

Signature: _____

Page 9

4/4

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

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

II, III

Site ID # _____ Site Name Thrifty Oil Today's Date 10/22/98

Site Address 20200 Hesperian Blvd

City Hayward Zip 94 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 (H&S)

Comments:

MW-2 - Purging of well done - pump down hose down to 15'. Pumping at 2-3 gallons/minute. (ARO Corporation pump attached to compressor).
 Purge water contains emanated strong odor from Well MW-2. 33 gallons were purged from Well MW-2. ~~Three~~ Three VOC vials filled from MW-2 (Two are duplicates).
 Lab name is American Analytix (818)998-5547 at 9765 Eton Ave, Chatsworth CA 91311.
 124 gallons were purged from AR-1. G.W. samples collected from AR-1.

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 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 Groundwater
One time soils |
| | 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/groundwater mon. |
| | 6) Daily Inventory
Annual tank testing
Cont pipe leak det |
| | 7) Weekly Tank Gauge
Annual tank testing |
| | 8) Annual Tank Testing
Daily inventory |
| | 9) Other _____ |
| | <input type="checkbox"/> 7. Precs 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 |
| New Tanks | <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: _____ |

Rev 6/88

II, III

Contact: _____
 Title: _____
 Signature: _____

Inspector: Juliet Shin
 Signature: _____

Std 817

February 5, 1996

Michael Whelan
ARCO Products Company
PO Box 612530
San Jose CA 95161

Subject: Responsible Party designation for the ARCO Service Station #5387 located at 20200 Hesperian Blvd., Hayward, CA 94541

Dear Mr. Whelan:

Please find enclosed recent correspondences regarding ARCO Products Company's (ARCO) status as a "responsible party" in regard to environmental mitigation at the subject site. As we discussed on January 24, 1996, ARCO will remain listed as a responsible party at the subject site. Per the California Code of Regulations, Title 23, Division 3, Chapter 16, Article 11, Section 2720, ARCO satisfies two of the four definitions of a responsible party:

- "
- 1) Any person who owns or operates an underground storage tank used for the storage of any hazardous substance; ...
 - 4) Any person who had or has control over an underground storage tank at the time of or following an unauthorized release of a hazardous substance."

The other responsible party listed for this site is Thrifty Oil Company who is the current property owner and former owner/operator of the underground storage tanks.

I hope this information has clarified your concerns. If you have additional questions you may contact me at (510)567-6755. **Please note that the ongoing review of environmental assessment/investigations for this site has been transferred from the undersigned to Madhulla Logan of this office.** Ms. Logan's telephone number is (510)567-6764.

Sincerely,

Amy Leech
Hazardous Materials Specialist

ATTACHMENT

c: James P. Watson, Stanton, Kay & Watson, 180 Sutter St, 3rd Floor, San Francisco, CA 94104
President/Owner, Orkin, Inc., PO Box 2454, Los Angeles, CA 90051
Attn: R.Friedrichsen, Thrifty Oil Co., 10000 Lakewood Blvd., Downey, CA 90240
Kelly Brown, Pacific Env. Group, Inc., 2025 Gateway Pl., Suite 440, San Jose, CA 95110
Lori Casias, SWRCB
Gordon Coleman - File(ML)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

StId 817

November 2, 1995

Lori Casias
State Water Resources Control Board
Division of Clean Water Programs
PO Box 944212
Sacramento CA 94244-2120

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

**Subject: Request by ARCO to be removed as "Responsible Party" for
ARCO Service Station #5387 located at 20200 Hesperian Blvd.,
Hayward, CA 94541**


Dear Lori:

Per our telephone conversation November 2, 1995, ARCO Products Company (ARCO) has requested to be removed as a "Responsibility Party" for the subject site. Alameda County has named Thrifty Oil Company (Thrifty) and ARCO as the primary responsible parties. It is our understanding that ARCO leases this property from Thrifty to operate a gasoline service station. Per the California Code of Regulations, Title 23, Division 3, Chapter 16, Article 11, Section 2720, we have named Thrifty as a responsible party since they apparently owned/operated this site when an unauthorized release occurred, and we have named ARCO as a responsible party since they are the current underground storage tank operators. *opposite*

For your review, I have enclosed the letter with attachments from Pacific Environmental Group, Inc., on behalf of ARCO, requesting that ARCO be removed as a responsible party for this site.

Thank you for reviewing this case. If you have questions please contact me at (510)567-6755.

Sincerely,


Amy Leech
Hazardous Materials Specialist

ENCLOSURE *LA 11/5/95*

✓
c: Michael Whelan
ARCO Products Co.
2155 S Bascom Ave, Suite 202
Campbell CA 95008

Acting Chief of Environmental Protection - File(ALL)

NOTES TO FILE
SITE NO. 817
ALAMEDA COUNTY

ARCO and Thrifty have been identified as responsible parties for this site. ARCO leases the property from Thrifty. ARCO was named because it leases the property, thereby having control of the property. A legal agreement has been reached between both parties that Thrifty will handle all corrective action and associated costs. Based on this agreement, ARCO has asked the County to drop ARCO from the RP list. Amy Leech of the County has asked me to review the case.

Because I have dealt with Kelly Brown of Pacific Environmental Group before on other sites, I called him to discuss the site and explain why ARCO cannot be removed from the RP list. I told Kelly that the agreement between ARCO and Thrifty is a civil matter which does not involve the LOP. In the course of our conversation, Kelly stated that he believes the tanks (source) had been removed prior to ARCO leasing the property. I told him if this was true, the County could remove ARCO because ARCO never operated the leaking tanks and, in fact, the tanks weren't in the ground when ARCO began to lease the property. I told Kelly to review his records and if he is correct, he needs to provide information to Amy Leech for her review.

I called Amy to let her know of my conversation with Kelly. I told her if Kelly's information is correct, she could drop ARCO from the RP list.

Lori Casias
11-22-95

Post-It [®] Fax Note	7671	Date	11-22	# of pages	1
To	Amy Leech	From	Lori Casias		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #	510-337-9335	Fax #			

THRIFTY OIL CO.

Ms. Amy Leech
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577

RE: Thrifty oil Co. Station #052
20200 Hesperian Blvd.
Hayward, Ca 94541

Dear Ms. Leech,

As per our telephone conversion on September 14, 1995, this is a follow-up letter regarding the key points of the conversion.

1. Thrifty Oil Company will sample the wells at the above mentioned station before 30 September 1995. A quarterly monitoring report will follow two weeks after Thrifty receives the analytical results from the laboratory. A quarterly monitoring report then will be submitted to your office every quarter until the site qualifies for final RWQCB "sign-off."
2. Thrifty Oil Company would like to sample 3rd and 4th quarter 1995, before installing any remediation equipment to ensure that the proper equipment will be installed for clean up and cost factors. Thrifty will follow the guidelines and permits established by ARCO, and transferred to Thrifty.
3. Once the equipment is installed and operational any additional reports required will be submitted by Thrifty.

If you have any question, please contact Raymond C. Friedrichsen or myself at (310) 923-9876.

Respectfully,



PETER D'AMICO
Manager
Environmental Affairs



THRIFTY OIL CO.

August 30, 1995

Amy L. Leech
Department of Environmental Health
1131 Harbor Bay Parkway, #250
Alameda, California 94502-6577

RE: Thrifty Oil Co. Station #52 (ARCO #5387)
20200 Hesperian Blvd.
Hayward, Ca 94541

Dear Ms. Leech,

In an agreement that was reached in conjunction with Thrifty's bankruptcy proceeding, Thrifty is notifying your office as follows:

ARCO is leasing and operating Service Station #5387 at the above referenced location. Thrifty will conduct environmental monitoring, investigative, remedial, and reporting activities for the above mentioned site. Future Correspondence as of September 1, 1995 concerning these activities should be directed to my attention.

If you have any questions, please contact Raymond C. Friedrichsen or myself at (310) 923-9876.

Respectfully,



PETER D'AMICO
Manger, Environmental Affairs

cc: ARCO Products Company
Kyle Christie
2155 South Bascom Ave.
Suite 202
Campbell, California 95008

Hayward Fire Department
Hazardous Material Office
ATTN: Hugh Murphy
25151 Calwiter
Hayward, Ca 94545-2795



ALAMEDA COUNTY ENVIRONMENTAL
HEALTH DEPARTMENT

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

FAX COVER SHEET

DATE: August 16, 1995

TO: MICHAEL WHELAND

ARCO

FAX # (408) 377-8361

Total number of pages including cover sheet 2

FROM: SUSAN HUGO

NOTE:

Per your request.

(SMILE) have a nice day.
DO SOMETHING FOR OUR ENVIRONMENT.

LIST OF ARCO SITES WITH UGT CLEANUP
(August 16, 1995)

<u>STID#</u>	<u>ACHD CONTACT</u>	<u>ARCO#</u>	<u>ADDRESS</u>
3629	Susan Hugo	2112	1260 Park Street, Alameda 94501
817	Amy Leech	5387	20200 Hesperian Blvd. Hayward 94541
3943	Scott Seery	2152	22141 Center St., Castro Valley 94546
3883	Susan Hugo	6113	785 E. Stanley Blvd., Livermore 94550
3873	Susan Hugo	771	899 Rincon Avenue, Livermore 94550
1053	Eva Chu	6041	7249 Village Parkway, Dublin 94568
779	Amy Leech	608	17601 Hesperian Blvd. San Lorenzo 94580
3876	Barney Chan	2185	9800 East 14th Street, Oakland 94603
3756	Barney Chan	276	10600 MacArthur Blvd. Oakland 94605
3874	Susan Hugo	4931	731 W. MacArthur Blvd. Oakland 94609
3884	Susan Hugo	374	6407 Telegraph Avenue, Oakland 94609
3626	Susan Hugo	6148	5131 Shattuck Avenue, Oakland 94609
3890	Barney Chan	2107	3310 Park Blvd. Oakland 94610
3854	Barney Chan	4494	566 Hegenberger Road, Oakland 94621
3793	Susan Hugo	2169	889 W. Grand Ave. Oakland 94607
3858	Barney Chan	2035	1001 San Pablo Avenue, Albany 94706
4275	Scott Seery	601	712 Lewelling Blvd. San Leandro 94579
744	Dale Kletke	2111	1156 Davis Street, San Leandro 94577

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 08/15/95		CASE # _____		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Peter D'Amico		PHONE (310) 923-9876		SIGNATURE <i>Peter D'Amico</i>
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER _____		COMPANY OR AGENCY NAME Thrifty Oil Co.		
	ADDRESS 10000 Lakewood Blvd. Downey CA 90240				
RESPONSIBLE PARTY	NAME Thrifty Oil Co. <input type="checkbox"/> UNKNOWN		CONTACT PERSON _____		PHONE ()
	ADDRESS 10000 Lakewood Blvd. Downey CA 90240				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Thrifty Oil Co. #052		OPERATOR ARCO		PHONE ()
	ADDRESS 20200 Hesperian Blvd. Hayward Alameda 94541				
	CROSS STREET _____				
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Health Care		CONTACT PERSON Amy Leech		PHONE (510) 567-6700
	REGIONAL BOARD _____		PHONE ()		
SUBSTANCES INVOLVED	(1) NAME Gasoline			QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN	
	(2) _____			<input type="checkbox"/> UNKNOWN	
DISCOVERY/ABATEMENT	DATE DISCOVERED 08/15/95		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS		
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input checked="" type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER _____		
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE _____				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER _____		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____		
	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input checked="" type="checkbox"/> CLEANUP UNDERWAY				
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input checked="" type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT) _____				
COMMENTS	Contaminated soil was discovered during site investigation by Groundwater Technology, Inc. for ARCO in August 1986.				
	<i>ALLR was already filed on 8/14/95</i>				

INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY

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

REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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

SUBSTANCES INVOLVED

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

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

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

CASE TYPE

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

CURRENT STATUS

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

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

Leak Being Confirmed - Leak suspected at site, but has not been confirmed.

Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.

Preliminary Site Assessment Underway - implementation of workplan.

Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.

Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.

Cleanup Underway - implementation of remediation plan.

Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.

Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

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

REMEDIAL ACTION

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

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.

Containment Barrier - install vertical dike to block horizontal movement of contaminant.

Excavate and Dispose - remove contaminated soil and dispose in approved site.

Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).

Remove Free Product - remove floating product from water table.

Pump and Treat Groundwater - generally employed to remove dissolved contaminants.

Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.

Replace Supply - provide alternative water supply to affected parties.

Treatment at Hookup - install water treatment devices at each dwelling or other place of use.

Vacuum Extract - use pumps or blowers to draw air through soil.

Vent Soil - bore holes in soil to allow volatilization of contaminants.

No Action Required - incident is minor, requiring no remedial action.

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Director

StId 817

August 8, 1995

Raymond Friedrichsen
Thrifty Oil Company
10000 Lakewood Blvd
Downey CA 90240

Michael Whelan
ARCO Petroleum Products Company
2155 S Bascom Ave
Campbell CA 95008

Subject: Soil and Groundwater Investigations and Remediation
Action at 20200 Hesperian Blvd, Hayward, CA 94541

Dear Mr. Friedrichsen and Mr. Whelan:

This letter is to summarize the telephone conversations I had with each of you today regarding the subject site. Per recent correspondence from Pacific Environmental Group and my conversations with both of you, it is this department's understanding that Thrifty Oil Company is in the process of taking over the on-going soil and groundwater investigations and remediation action at the subject site. Currently, the approved remediation action at this site consists of Soil Vapor Extraction in conjunction with air sparging. Groundwater monitoring and reporting is to occur on a quarterly basis.

As I indicated during our conversation, please submit the following information to this office:

1. An Underground Storage Tank Unauthorized Release/ Contamination Site Report (ULR) is not on file in regard to the contamination discovered in 1986. This form is being forwarded to Thrifty Oil Company since it appears they were the tank operators when the groundwater contamination was originally discovered. Please complete and return the attached ULR to this office by September 15, 1995.
2. The last quarterly monitoring report on file is dated December 30, 1994 and was for the third quarter 1994. Please submit quarterly monitoring reports for fourth quarter 1994 and first and second quarter 1995 to this office by September 15, 1995.

Please be reminded that a report of each quarterly

*Per SWRCB
Report date
is 01/14/86*

Friedrichsen/Whelan
Re: 20200 Hesperian Blvd
August 8, 1995
Page 2 of 2

monitoring event is due to this office the first day of the second month of each subsequent quarter until this site qualifies for final RWQCB "sign-off". Quarterly reports must describe the status of the investigation at the site and must include, among others, the following elements:

- o Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.
 - o Status of ground water contamination characterization and remedial action.
 - o Interpretations of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.
 - o Conclusions, recommendations, and plans for additional investigative work or remediation.
3. The on-site soil vapor extraction (SVE) remediation system has been partially dismantled by ARCO. **Please submit to this office by September 15, 1995 confirmation that the SVE and air sparging systems are operating at this site as approved by this office in December 1993. In addition, include a performance evaluation of the remediation system in each quarterly report.**

Please contact me at (510)567-6755 if you have questions or comments. I look forward to receiving an update regarding this site as soon as possible.

Sincerely,



Amy Leech
Hazardous Materials Specialist

ATTACHMENT to Thrifty Oil Co.

c: **Acting Chief of Environmental Protection-File (ALL)**

ALAMEDA COUNTY ENVIRONMENTAL
HEALTH DEPARTMENT

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

FAX COVER SHEET

DATE: June 27, 1995

TO: DAVID LARSON

FAX # (408) 453-0452

Total number of pages including cover sheet 2

FROM: SUSAN L. HUGO

NOTE:

List of ARCO SITES & corresponding
contact person.

(SMILE) have a nice day.
DO SOMETHING FOR OUR ENVIRONMENT.

(6/27/95)

LIST OF ARCO SITES WITH UGT CLEANUP

<u>STID#</u>	<u>ACHD CONTACT</u>	<u>ARCO FACILITY#</u>	<u>ADDRESS</u>
3629	Susan Hugo	Station 2112	1260 Park Street Alameda 94501
817	Amy Leech	Station 5387	20200 Hesperian Blvd. Hayward 94541
3943	Scott Seery	Station 2152	22141 Center Street Castro Valley 94546
3883	Susan Hugo	Station 6113	785 E. Stanley Blvd. Livermore 94550
3873	Susan Hugo	Station 771	899 Rincon Avenue Livermore 94550
1053	Eva Chu	Station 6041	7249 Village Parkway Dublin 94568
779	Amy Leech	Station 608	17601 Hesperian Blvd. San Lorenzo 94580
3876	Barney Chan	Station 2185	9800 East 14th Street Oakland 94603
3756	Barney Chan	Station 276	10600 MacArthur Blvd. Oakland 94605
3874	Susan Hugo	Station 4931	731 W. MacArthur Blvd. Oakland 94609
3884	Susan Hugo	Station 374	6407 Telegraph Avenue Oakland 94609
3626	Susan Hugo	Station 6148	5131 Shattuck Avenue Oakland 94609
3890	Barney Chan	Station 2107	3310 Park Blvd. Oakland 94610
3854	Barney Chan	Station 4494	566 Hegenberger Road Oakland 94621
3793	Susan Hugo	Station 2169	889 W. Grand Ave. Oakland 94607
3858	Barney Chan	Station 2035	1001 San Pablo Avenue Albany 94706
4275	Scott Seery	Station 601	712 Lewelling Blvd. San Leandro 94579



PACIFIC
ENVIRONMENTAL
GROUP, INC.

ENVIRONMENTAL
PROTECTION

95 JUL 17 PM 2: 57

July 14, 1995
Project 330-110.5A

Mr. Darrell Fah
Thrifty Oil Company
10000 Lakewood Boulevard
Downey, California 90240

Re: Follow Up Letter to June 1, 1995 Letter
ARCO Service Station 5387
20200 Hesperian Boulevard at West Sunset Drive
Hayward, California

Dear Mr. Fah:

This letter, prepared by Pacific Environmental Group, Inc. (PACIFIC) on behalf of ARCO Products Company (ARCO), presents a follow up to PACIFIC's June 1, 1995 letter to Thrifty Oil Company (Thrifty) regarding site data and proposed meeting for the site referenced above. The purpose of this letter is to provide Thrifty with dates for the proposed meeting.

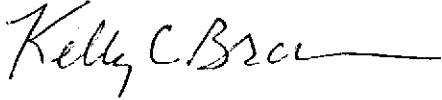
Based on ARCO's and PACIFIC's schedules, two potential dates have been set aside to conduct the proposed on-site meeting; August 22 and 29, 1995 at 10:00 AM at the site. Please contact either Mr. Michael Whelan with ARCO at (408) 377-8697 or Mr. Kelly Brown with PACIFIC at (408) 441-7500. **Please respond by Tuesday August 1, 1995.**

Please note that both state and local regulatory agencies have been notified of the transfer, and that Thrifty currently is responsible for all site assessment, monitoring, and remedial activities.

If you should have any questions regarding the contents of this letter, please call.

Sincerely,

Pacific Environmental Group, Inc.



Kelly C. Brown
Project Manager

cc: Mr. Michael Whelan, ARCO Products Company
Mr. Chris Winsor, ARCO Products Company
Mr. Hugh Murphy, City of Hayward Fire Department
Mr. Richard Hiatt, Regional Water Quality Control Board, S.F. Bay Region
~~Ms. Amy Leach, Alameda County Health Care Services~~



Fire Department

July 8, 1994



Michael Whelan
Arco Products
P.O Box 5811
San Mateo, CA 94402

Subject: Contamination in the vicinity of West "A" Street and Hesperian Boulevard, Hayward

Dear Mr. Whelan:

As I mentioned in our previous telephone conversation the City of Hayward is acting as the coordinating agency facilitating the joint monitoring for the subject intersection. Per agreement between responsible parties on August 17, 1994 the first of regular quarterly joint monitoring event will be conducted at 10 a.m. between the following five sites.

- Arco Service Station, 20200 Hesperian Boulevard, Alameda County
- Alliance Service Station, 20450 Hesperian Boulevard, Alameda County
- Former Texaco/Exxon Service Station, 20499 Hesperian Boulevard, Hayward
- Former Shell Service Station, 20500 Hesperian Boulevard, Hayward
- Former Unocal Service Station, 20501 Hesperian Boulevard, Hayward

The purpose of this joint monitoring is to provide comparable regular coordinated data on groundwater conditions in the subject area. We encourage all companies to utilize a common sampling company and to cooperate with each other fully. Attached is a list of direct contacts for each site (see attachment A). All wells are required to be surveyed to the closest common benchmark identified as "Hesp. A 1953" (see attachment B). Proof is required to be submitted of the survey. A comprehensive report is required by each company or if agreed upon one common document. The report(s) is required to include groundwater gradient and contamination isoconcentration maps for the entire subject area utilizing data from all wells.

If you have any questions, please give me a call at (510) 293-5454.

Sincerely,

Hugh Murphy
Environmental Specialist

cc: John Boykin, Hazardous Materials Coordinator
Danilo Galang, Hazardous Materials Investigator
Juliet Shin, Alameda County Health Care Services Agency
Kevin Graves, California Regional Water Quality Control Board





GeoStrategies Inc.

ALCO
HAZMAT

94 JAN 24 PM 2:38

January 20, 1994

Mr. Michael Whelan
ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Subject: Monthly Site Status Update for ARCO Station 5387, 20200
Hesperian Boulevard, San Lorenzo, California.

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of December, 1993, and site activities anticipated for the month of January, 1994.

Status of Previous Month's Activities:

- Completed equipment procurement for installation of interim remediation system at the site. Completed remedial system permitting.
- Completed and submitted interim remedial action plan and results of additional remedial investigation report and issued to ARCO and regulatory agencies.
- Closed Station and initiated construction of interim remediation system in early December, 1993.
- Installed additional air-sparge and vapor extraction wells to be used in the interim remediation system at the site.

ARCO Station 5387
Monthly Site Status Report

January 20, 1994

Anticipated Work to be Performed in the Next Month:

- Continue with installation of the interim remediation system including trenching, piping and building of remediation compound.
- Initiate preparation of report detailing installation of additional air-spargers and vapor extraction wells at the site.

If you have any questions or comments, please call us at (510) 551-7444 ext. 286.

Sincerely,
GeoStrategies, Inc.



Joel Coffman
Project Manager

cc: Ms. Juliet Shin, ACHCSA, Dept. of Env. Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

December 21, 1993

Mr. Michael Whelan
ARCO Products Company
P.O. Box 5811
San Mateo, CA 94402

STID 817

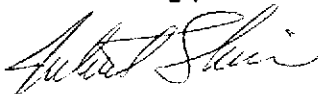
Re: Remedial Investigation and Interim Remedial Action Plan for
ARCO Station 5387, located at 20200 Hesperian Blvd., San
Lorenzo, California

Dear Mr. Whelan,

This office has reviewed GeoStrategies' Remedial Investigation and Interim Remedial Action Plan, dated December 13, 1993. The proposed remediation system appears to be acceptable for the time being. As stated in the report, if the proposed system is not adequate to address remediation of the contamination, further recommendations will be made to optimize system performance and to enhance remediation of subsurface impacted soil and ground water. It is the understanding of this office that the work will be implemented as outlined in the Preliminary Time Schedule, on Plate 18.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,


Juliet Shin
Hazardous Materials Specialist

cc: Joel Coffman
GeoStrategies Inc.
6747 Sierra Court
Suite G
Dublin, CA 94568

Edgar Howell - ~~File~~ (JS)



GeoStrategies Inc.

ALCO
HAZMAT

93 DEC 17 PM 2:39

December 14, 1993

Mr. Michael Whelan
ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Subject: Monthly Site Status Update for ARCO Station 5387, 20200
Hesperian Boulevard, San Lorenzo, California.

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of November, 1993, and site activities anticipated for the month of December, 1993.

Status of Previous Month's Activities:

- Received, evaluated and awarded contract to winning bidder for the installation of the interim remediation system. Construction of system is scheduled to commence in early December, 1993.
- Continued equipment procurement and permitting for installation of the interim remediation system to be installed at the site.
- Permitted additional air-sparge and vapor extraction wells to be installed for use in the interim remediation system at the site.
- Conducted pre-construction meeting with sales representatives, consultants and contractors prior to initiating construction of the interim remediation system at the site.
- Installed new power pole and underground electrical lines for use in the interim remediation system.

ARCO Station 5387
Monthly Site Status Report

December 14, 1993

Anticipated Work to be Performed in the Next Month:

- Complete equipment procurement for installation of interim remediation system at the site. Complete remedial system permitting.
- Complete and submit interim remedial action plan and results of additional remedial investigation report and issue to ARCO and regulatory agencies.
- Install additional air-sparge and vapor extraction wells.
- Close station and initiate installation of the interim remediation system including trenching, piping and building of remediation compound.

If you have any questions or comments, please call us at (510) 551-7444 ext. 286.

Sincerely,
GeoStrategies, Inc.



Joel Coffman
Project Manager

cc: Ms. Juliet Shin, ACHCSA, Dept. of Env. Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney



GeoStrategies Inc.

ALCO
HAZMAT

93 NOV 22 AM 10: 57

November 18, 1993

Mr. Michael Whelan
ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Subject: Monthly Site Status Update for ARCO Station 5387, 20200
Hesperian Boulevard, San Lorenzo, California.

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of October, 1993, and site activities anticipated for the month of November, 1993.

Status of Previous Month's Activities:

- Completed preparation of design and bid package for the installation of an interim remedial system. System design was delayed due to incorporating air-sparge technology into the interim remediation system.
- Sent bid package to selected bidding contractors and began receiving and evaluating bids for the installation of the interim remediation system. Construction of system is scheduled to commence in early December, 1993.
- Prepared a final Quarterly Monitoring Report presenting third quarter 1993 groundwater sampling results.
- Initiated equipment procurement and continued permitting for installation of the interim remediation system to be installed at the site.

ARCO Station 5387
Monthly Site Status Report

November 18, 1993

Anticipated Work to be Performed in the Next Month:

- Receive bids from contractors for installation of an interim remediation system at the site, evaluate bids and award contract to winning bidder.
- Continue equipment procurement for installation of interim remediation system at the site. Complete remedial system permitting.
- Install electrical service to the location of the interim remedial system equipment compound.
- Compile interim remedial action plan and results of additional remedial investigation into report for issue to ARCO and regulatory agencies.

If you have any questions or comments, please call us at (510) 551-7444 ext. 286.

Sincerely,
GeoStrategies, Inc.



Joel Coffman
Project Manager

cc: Ms. Juliet Shin, ACHCSA, Dept. of Env. Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney



GeoStrategies Inc.

93 OCT 15 PM 12:12

October 12, 1993

Mr. Michael Whelan
ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Subject: Monthly Site Status Update for ARCO Station 5387, 20200
Hesperian Boulevard, San Lorenzo, California.

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of September, 1993, and site activities anticipated for the month of October, 1993.

Status of Previous Month's Activities:

- Initiated preparation of a draft report detailing results of historical records search of properties located near and upgradient of the ARCO site which contain large quantities of floating product from historical leaks on these properties.
- Continued with bid package preparation for installation of an interim remediation system at the site.
- Continued remedial system design and permitting for interim remediation system.

(510) 551-8777

GeoStrategies Inc.

ARCO Station 5387
Monthly Site Status Report

October 12, 1993

Anticipated Work to be Performed in the Next Month:

- Submit a draft report detailing results of historical records search of properties located near and upgradient of the ARCO site which contain large quantities of floating product from historical leaks on these properties adjacent to the ARCO site.
- Prepare a draft Quarterly Monitoring Report presenting third quarter 1993 groundwater sampling results.
- Complete bid package preparation for installation of an interim remediation system at the site, send out bids, receive and evaluate bids from contractors.
- Continued remedial system design and permitting for interim remediation system.
- Initiate procurement of equipment to be used for installation of an interim remediation system at the site.

If you have any questions or comments, please call us at (510) 352-4800.

Sincerely,
GeoStrategies, Inc.



Joel Coffman
Project Manager

cc: Ms. Juliet Shin, ACHCSA, Dept. of Env. Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney



GeoStrategies Inc.

September 15, 1993

Mr. Michael Whelan
ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Subject: Monthly Site Status Update for ARCO Station 5387, 20200 Hesperian Boulevard, San Lorenzo, California.

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of August, 1993, and site activities anticipated for the month of September, 1993.

Status of Previous Month's Activities:

- Performed an additional vapor extraction test to obtain additional information related to vapor extraction effective radius of influence at the site.
- Incorporated the results of the additional vapor extraction test in the draft Well Installation/Vapor Extraction/Air Sparging Test Report.
- Prepared a draft Quarterly Monitoring Report presenting third quarter 1993 groundwater sampling results.
- Prepared a draft report detailing results of historical records search of properties located near and upgradient of the ARCO site which contain large quantities of floating product from historical leaks on these properties.
- Submitted a schedule for estimated installation of an interim remediation system at the site.

93 SEP 17 PM 3:04

Continued preparation of a draft Remedial Action Plan (RAP) for Interim Soil and Groundwater Remediation at the site.

ARCO Station 5387
Monthly Site Status Report

September 15, 1993

Status of Previous Month's Activities (Cont.):

- Continued remedial system design and permitting for interim remediation system.

Anticipated Work to be Performed in the Next Month:

- Submit a draft Remedial Action Plan (RAP) for Interim Soil and Groundwater Remediation at the site to ARCO.
- Submit a draft Well Installation/Vapor Extraction/Air Sparging Test Report including the results of the additional vapor extraction test to ARCO.
- Submit a draft report detailing results of historical records search of properties located near and upgradient of the ARCO site which contain large quantities of floating product from historical leaks on these properties to ARCO.
- Prepare a draft Quarterly Monitoring Report presenting third quarter 1993 groundwater sampling results.

If you have any questions or comments, please call us at (510) 352-4800.

Sincerely,
GeoStrategies, Inc.



Joel Coffman
Project Manager

cc: Ms. Juliet Shin, ACHCSA, Dept. of Env. Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney



GeoStrategies Inc.

93 AUG 17 PM 1:11

August 11, 1993
7900.01

Mr. Michael Whelan
ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Subject: Monthly Site Status Update for ARCO Station 5387, 20200 Hesperian Boulevard, San Lorenzo, California.

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of July, 1993, and site activities anticipated for the month of August, 1993.

Status of Previous Month's Activities:

- Submitted a draft Well Installation/Vapor Extraction/Air Sparging Test Report to ARCO. Final report will be issued upon obtaining additional information related to vapor extraction and air-sparge estimated effective radius of influence at the site.
- Submitted a final Quarterly Monitoring Report presenting second quarter 1993 groundwater sampling results to ARCO and Regulatory Agencies.
- Continued remedial system design and permitting for interim remediation system.
- Prepared a draft Remedial Action Plan (RAP) for Interim Soil and Groundwater Remediation at the site. RAP includes results of air sparge testing and incorporation of air sparging into system design.

ARCO Station 5387
Monthly Site Status Report

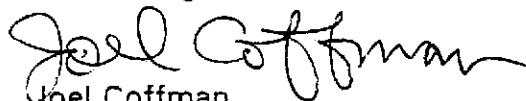
August 11, 1993

Anticipated Work to be Performed in the Next Month:

- Submit a final Remedial Action Plan (RAP) for Interim Soil and Groundwater Remediation at the site to ARCO and Regulatory Agencies.
- Perform quarterly monitoring and sampling of site wells.
- Perform additional vapor extraction/air sparging test using AR-2 as an extraction well, AS-2 as a sparging well, and MW-2, A-5 and AR-1 as observation wells.
- Upon gaining the additional data, submit a Well Installation/Vapor Extraction/Air Sparging Test Report to ARCO and Regulatory Agencies.
- Prepare report detailing results of historical records search of properties located near and upgradient of the ARCO site which contain large quantities of floating product from historical leaks on these properties.
- Submit a schedule (attached to this letter) for estimated installation of an interim remediation system at the site.

If you have any questions or comments, please call us at (510) 352-4800.

Sincerely,
GeoStrategies, Inc.


Joel Coffman
Project Manager

cc: Ms. Juliet Shin, ACHCSA, Dept. of Env. Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney

**INTERIM REMEDIATION SCHEDULE
 ARCO STATION 5387
 20200 HESPERIAN BLVD.
 SAN LORENZO, CALIFORNIA**

Project Tasks	Estimated Time in Weeks (After Obtaining Regulatory Approval)																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Task 1 Design of Plans and Specifications	■	■																															
Task 2 Building and Discharge Permits			■	■	■	■	■	■	■	■																							
Task 3 Bid Package and Evaluation											■	■	■																				
Task 4 Equipment Procurement														■	■	■	■																
Task 5 Construction and Construction Inspection																																	
Task 6 System Startup and Operation																																	
Task 7 System Performance Evaluation																																	

**PLATE 1
 PRELIMINARY TIME SCHEDULE**



GeoStrategies Inc.

July 15, 1993
7900.01

Mr. Michael Whelan
ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Subject: Monthly Site Status Update for ARCO Station 5387, 20200
Hesperian Boulevard, San Lorenzo, California.

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the months of May and June 1993 and site activities anticipated for the month of July, 1993.

Status of Previous Month's Activities:

- Submitted a draft Well Installation/Vapor Extraction/Air Sparging Test Report to ARCO.
- Submitted a final Quarterly Monitoring Report presenting first quarter 1993 groundwater sampling results to ARCO and Regulatory Agencies.
- Continued remedial system design.
- Submitted proposed interim remediation system compound location at the site to ARCO for review and approval.

93 AUG -3 PM 4:07



GeoStrategies Inc.

May 26, 1993

ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Attn: Mr. Michael Whelan

Re: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Boulevard
San Lorenzo, California

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of April, 1993 and site activities anticipated for the months of May and June, 1993.

Status of Previous Month's Activities:

- Continued preparation of a Continuing Site Assessment and Quarterly Monitoring Reports documenting first quarter, 1993 groundwater sampling and field activities associated with installation of air-sparg and vapor extraction wells and performance of air-sparge and vapor extraction tests.
- Continued preparation of an interim remediation system design and bid package.

05.26/MWHE/900-5387



GeoStrategies Inc.

April 22, 1993

ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Attn: Mr. Michael Whelan

Re: **Monthly Site Status Update**
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Boulevard
San Lorenzo, California

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of March, 1993 and site activities anticipated for the month of April, 1993.

Status of Previous Month's Activities:

- Issued a final Work Plan for additional site assessment to ARCO, ACHA, and the RWQCB.
- Installed one recovery well (AR-2), one dual completion vapor extraction/air sparging well (AS-1), one air sparging well (AS-2), and three vapor extraction wells (AV-1 through AV-3), as outlined in the GSI Work Plan dated March 4, 1993.
- Performed a vapor extraction/air sparging test at the site.
- Began preparation of a Continuing Site Assessment/Quarterly Monitoring Report documenting first quarter, 1993 groundwater sampling and field activities (due May 14, 1993).

:ARCOMISC\S926(rt)

GeoStrategies Inc.

ARCO Products Company
April 22, 1993
Page 2


- Continued preparation of a remedial system design and bid package (due May 14, 1993).

Anticipated Work to be Performed in the Next Month:

- Issue a draft Continuing Site Assessment/Quarterly Monitoring Report for the first quarter, 1993 to ARCO.
- Issue a final Continuing Site Assessment/Quarterly Monitoring Report for the first quarter, 1993 to ARCO, ACHA, and the RWQCB (due May 14, 1993).

If you have any questions or comments, please call.

Sincerely,


John F. Vargas
Senior Geologist

cc: Ms. Juliet Shin, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney



GeoStrategies Inc.

March 12, 1993

ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Attn: Mr. Michael Whelan

Re: **Monthly Site Status Update**
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Boulevard
San Lorenzo, California

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of February, 1993 and site activities anticipated for the month of March, 1993.

Status of Previous Month's Activities:

- Groundwater monitoring and sampling for the first quarter, 1993 was performed (report due March 26, 1993).
- Issued a draft Work Plan for additional site assessment to ARCO.

Anticipated Work to be Performed in the Next Month:

- Issue a final Work Plan for additional site assessment to ARCO, ACHA, and the RWQCB.
- Issue a draft Quarterly Monitoring Report presenting first quarter, 1993 sampling results to ARCO (due March 26, 1993).
- Prepare a remedial system design and bid package (due March 31, 1993).

:ARCOMISC\S926(rt)


GeoStrategies Inc.

ARCO Products Company
March 12, 1993
Page 2

- Issue a final Quarterly Monitoring Report presenting first quarter, 1993 sampling results to ARCO, ACHA, and the RWQCB (report due March 26, 1993).
- Schedule field activities for additional site assessment as outlined in the above mentioned Work Plan. This work includes installation of additional groundwater recovery well, sparging wells, vapor extraction wells, and performance of a vapor extraction/sparge test.

If you have any questions or comments, please call.

Sincerely,


John F. Vargas
Senior Geologist

cc: Ms. Juliet Shin, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

March 10, 1993

Mr. Michael Whelan
ARCO Products Company
P.O. Box 5811
San Mateo, CA 94402

STID 817

Re: Work plan addressing remediation systems for ARCO Services
Station No. 5387, located at 20200 Hesperian Blvd.,
Hayward, California

Dear Mr. Whelan,

This office has reviewed GeoStrategies Inc.'s (GSI) work plan, dated March 4, 1993, and has found this plan to be acceptable in addressing the initial steps towards remediating the site. Per a conversation with Cliff Garrett, GSI, and myself on March 9, 1993, it is my understanding that a minimum of two soil samples will be collected from all the exploratory borings, including those that will be converted into extraction wells.

Field work should commence within 60 days of the date of this letter. A report documenting the work shall be submitted to this office within 45 days after completing field activities.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: Sumadhu Arigala, RWQCB

Hugh Murphy, Hayward Fire Dept.

John Vargas
GeoStrategies Inc.
2140 West Winton Avenue
Hayward, CA 94545

Edgar Howell-File(JS)

Post-It™ brand fax transmittal memo 7671		# of pages ▶ 1	
To	Cliff Garrett	From	Juliet Shin
Co.	GSI	Co.	Alameda County
Dept.		Phone #	(510) 271-4530
Fax #	(510) 783-1689	Fax #	



GeoStrategies Inc.

February 26, 1993

ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Attn: Mr. Michael Whelan

Re: **Monthly Site Status Update**
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Boulevard
San Lorenzo, California

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of January, 1993 and site activities anticipated for the month of February, 1993.

Status of Previous Month's Activities:

- Issued a draft Quarterly Monitoring/Well Installation Report presenting fourth quarter, 1992 monitoring and sampling results and the installation of Well A-10 to ARCO (due January 15, 1993).
- Issued a final Quarterly Monitoring/Well Installation Report presenting fourth quarter, 1992 field activities and results to ARCO, ACHA, and the RWQCB (due January 15, 1993).

Anticipated Work to be Performed in the Next Month:

- Prepare a remedial system design and bid package (due March 31, 1993).

:ARCOMISC\S926(rtr)

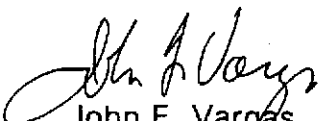
GeoStrategies Inc.

ARCO Products Company
February 26, 1993
Page 2

- Groundwater monitoring and sampling for the first quarter, 1993 will be performed (report due February 26, 1993).
- ~~Prepare a work plan which outlines additional assessment activities.~~

If you have any questions or comments, please call.

Sincerely,


John F. Vargas
Senior Geologist

cc: Ms. Juliet Shin, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney

ARCO Products Company
2000 Alameda de las Pulgas
Mailing Address: Box 5811
San Mateo, California 94402
Telephone 415 571 2400



58 JUN 11 1993

January 20, 1993

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
80 Swan Way, room 200
Oakland, California 94612

Re: Response to letters dated November 30 and December 31, 1992
concerning ARCO facility No. 5387, Hayward, California

Dear Ms. Shin. :

This letter is a follow-up to our telephone conversation of December 14, 1992 and letters submitted to ARCO Products Company (ARCO) dated November 30 and December 31, 1992. Your November 30, 1992 letter references a December 1992 deadline for the submittal of a remediation plan that includes the results of the recent aquifer testing. As we discussed, ARCO had agreed in the November 19, 1992 meeting to submit the results of the aquifer testing to the agencies by December 25, 1992. A final report was submitted to the Alameda County Health Care Services Agency (ACHCSA) by Geostrategies, ARCO's consultant, in a report dated December 21, 1992. The specific date for submittal of a remedial action plan was not discussed during the November 19, 1992 meeting though startup of the remediation system was estimated to be early August, 1993. During our conversation we discussed estimated dates for completion of specific milestones leading up to startup of the remediation system. The milestones we agreed upon follow.

- offsite well installation/quarterly monitoring report (due 2/1/93)
- remedial action plan (due 3/1/93)
- complete design (due 4/1/93)
- complete permitting and bid out construction (due 5/1/93)
- review bids and select contractor (due 6/1/93)
- begin construction of remediation system (due 7/1/93)
- startup of remediation system (due 8/1/93)

Ms. Juliet Shin
January 20, 1993
page 2

These milestones are in agreement with those presented to the ACHCSA in the revised remediation schedule dated December 17, 1992.

Your November 30, 1992 letter also referred to the presence of lead in a groundwater sample. I think your concern stems from our consultants statement during the November 19, 1992 meeting when Mr. Vargas of Geostrategies stated that a sample of groundwater was to be collected during the aquifer test and analyzed for lead. No lead was detected in the sample.

Your December 31, 1992 letter questioned the effective capture zone of groundwater recovery well AR-1 based on the aquifer test results (Geostrategies, December 21, 1992). ARCO agrees that these values are theoretical and are based on short-duration tests. However, ARCO has and will continue to require that our consultants evaluate and compare the performance of the remediation systems with estimated values presented in the remedial action plan. Based on the results of the performance evaluation, ARCO will modify the remediation system when applicable. As you requested, the performance evaluation will address the effectiveness of groundwater remediation in the vicinity of wells A-4 and A-5.

If you have any questions or comments, please contact me at (415) 571-2449.

Sincerely,



Michael R. Whelan
Environmental Engineer

cc: Ms. Susan Hugo, ACHCSA
Mr. Eddy So, RWQCB
Mr. Hugh Murphy, City of Hayward Fire Department
Mr. Chris Winsor, ARCO
Mr. John Vargas, Geostrategies



GeoStrategies Inc.

January 13, 1993

ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Attn: Mr. Michael Whelan

Re: **Monthly Site Status Update**
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Boulevard
San Lorenzo, California

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of December, 1992 and site activities anticipated for the month of January, 1993.

Status of Previous Month's Activities:

- * Issued a final Continuing Site Assessment/Quarterly Monitoring Report presenting the results of a well installation, aquifer tests, and third quarter, 1992 monitoring and sampling to ARCO, ACHA, and RWQCB (due December 23, 1992).
- * Performed ground-water monitoring and sampling on newly installed Well A-10.

:ARCOMISC/S926(rt)

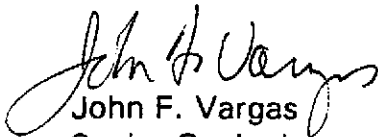
ARCO Products Company
January 13, 1993
Page 2

Anticipated Work to be Performed in the Next Month:

- * Issue a draft Quarterly Monitoring/Well Installation Report presenting fourth quarter, 1992 monitoring and sampling and the installation of Well A-10 to ARCO (due January 15, 1993).
- * Prepare a remedial system design (due March 31, 1993).

If you have any questions or comments, please call.

Sincerely,


John F. Vargas
Senior Geologist

cc: Ms. Juliet Shin, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney

93 JAN 14 11 06 AM

January 13, 1993

Ms. Susan Hugo
Alameda County Department of Environmental Health
80 Swan Way
Oakland, California 94621

ARCO Products Company Facilities in Alameda County

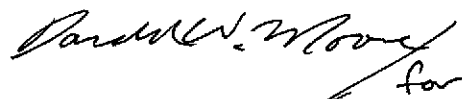
Dear Ms. Hugo:

Please find attached, Quarterly Summary Reports (QSRs) for ARCO Products Company Service Stations in Alameda County. The QSRs summarize activities conducted by ARCO at the respective sites during the fourth quarter of 1992; also included are projected site activities for the first quarter of 1993 and a bibliography of reports submitted for each location.

The QSRs are classified by city and address within Alameda County. We are submitting this document and attached QSRs as agreed. Please note that we are forwarding copies of the QSRs to the Regional Water Quality Control Board (RWQCB).

Please note that ARCO Products Company has reviewed the RWQCB's February 19, 1991 printout of ARCO fuel leak sites. We have evaluated each site with respect to ARCO's responsibility for investigation, monitoring, and/or remediation. Those locations for which ARCO is not responsible were listed and described in the QSR package delivered to you on July 15, 1991. The attached QSRs therefore represent only those locations for which ARCO is responsible. Please do not hesitate to contact us with any questions regarding this submittal.

Sincerely yours,



Kyle A. Christie
Environmental Engineer

Attachments: ARCO Facility QSRs

UST LEAK Date of Last Current
SITE UPDATE Review/Update: 10/1/92 Date: 1/4/93

SITE IDENTIFICATION

Name: ARCO Products Company #5387 Case No.:
Address: 20200 Hesperian Boulevard
Street Number Street
Hayward 94545
City Zip Code
Alameda Substance: Gasoline
County

Local Agency: Alameda County Health Agency, Department of Environmental Health

Regional Board: San Francisco Bay Region

LEAD STAFF PERSON: Juliet Shin

CASE TYPE:

Undetermined Soil Only X Ground Water Drinking Water

STATUS (Date indicates when case moved into status)

No Action Taken Date:
X Leak Being Confirmed Date: August 1986
X Preliminary Site Assessment Workplan Submitted Date: August 1991
X Preliminary Site Assessment Underway Date: August 1986
Pollution Characterization Date:
Remediation Plan Date:
Remedial Action Underway Date:
Post Remedial Action Monitoring Date:
Case Referred to Regional Board Date:
Case Referred to Dept. of Health Services Date:
Case Closed Date:

MILESTONES:

There are currently seven groundwater monitoring wells. Three on-site wells were installed during August 1986, three additional on-site wells were installed during October 1991 and one off-site well was installed during December 1991. Two off-site, cross-gradient monitoring wells (A-8 and A-9) and one on-site recovery well (AR-1) were installed in August, 1992. Refer to the attached chronological listing of reports issued for this site.

RECENT ACTIVITIES/FINDINGS:

Fourth quarter 1992, ground-water monitoring and sampling were performed. Issued Quarterly Monitoring Report documenting third quarter, 1992 sampling and aquifer test results. Step-drawdown and constant-rate aquifer tests were performed in October utilizing recovery well AR-1. One down-gradient, off-site monitoring well (A-10) was installed in November.

ANTICIPATED ACTIVITIES:

Quarterly groundwater monitoring and sampling will continue. Issue Quarterly Monitoring/Well Installation Report presenting the results of fourth quarter, 1992 monitoring and sampling and the well installation. Issue a Remedial Action Plan and system design for approval.

SS# 5387

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Site Investigation Report	August 21, 1986	Ground-water Tech
Work Plan	April 26, 1991	GeoStrategies Inc.
Monitoring Well Installation Report	March 6, 1992	GeoStrategies Inc.
Quarterly Monitoring Report	June 19, 1992	GeoStrategies Inc.
Work Plan	July 14, 1992	GeoStrategies Inc.
Quarterly Monitoring Report	August 28, 1992	GeoStrategies Inc.
Continuing Site Assessment/Quarterly Monitoring Report	December 21, 1992	GeoStrategies Inc.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

December 31, 1992

Mr. Michael Whelan
ARCO Products Company
P.O. Box 5811
San Mateo, CA 94402

STID 817

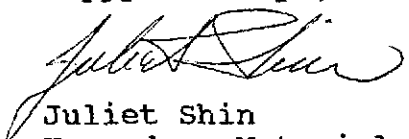
RE: The ARCO Services Station No. 5387, located at 20200
Hesperian Blvd., Hayward, California

Dear Mr. Whelan,

This office has received and reviewed GeoStrategies' report, dated December 21, 1992, addressing the quarterly ground water sampling and pump test results. It was noted that the estimated capture zone does not seem to encompass the contaminated Well A-4 and possibly Well A-5. However, it is understood that these wells will be continually monitored to determine the actual effectiveness of Recovery Well AR-1 during operation, and if it is not effective in remediating the entire plume that further measures will be taken to accomplish the necessary clean up.

Thank you for your cooperation. If you have any questions or comments, please contact me at (510) 271-4530. I look forward to meeting with you on February 5, 1993 at 10:00 A.M.

Happy Holidays,


Juliet Shin
Hazardous Materials Specialist

cc: Sumadha Arigala, RWQCB

Hugh Murphy, Hayward Fire Dept.

John Vargas
Geo Strategies Inc.
2140 West Winton Avenue
Hayward, CA 94545

✓ Edgar Howell-File(JS)



GeoStrategies Inc.

92 DEC 21 01:38:41

December 17, 1992

Mr. Eddy So
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Subject: Remediation Schedules for ARCO Sites in Alameda County,
California

Dear Mr. So:

On behalf of ARCO Products Company (ARCO), and as you requested in the meeting held on November 19, 1992 at the Alameda County Health Care Services Agency (ACHCSA), GeoStrategies Inc. (GSI) has prepared this estimated schedule for remediation of sites under your regulatory oversight. This includes ARCO Station 5387 in San Lorenzo, California.

The darkened lines on the schedules represent deadlines which were agreed upon during the November 19, 1992 meeting. The hatched lines represent our best guess estimates of times which may be required to complete tasks should unforeseen delays occur. These unforeseen delays include permitting issues, offsite access issues, and estimated times of operation of the respective remediation systems.

:ARCOMISC\7926RTL.LTR(kjj)

GeoStrategies Inc.

Regional Water Quality Control Board
December 17, 1992
Page 2

If you have any questions or comments, please contact us at (510) 352-4800 or Mr. Michael Whelan of ARCO at (415) 571-2449.

Sincerely,


John F. Vargas
Project Manager

cc: Ms. Susan Hugo, ACHCSA (Certified Mail)
Mr. Hugh Murphy, City of Hayward Fire Department
Mr. Michael Whelan, ARCO
Mr. John Meck, ARCO Legal
Mr. H.C. Winsor, ARCO
Mr. Mark Thomson, Alameda County DA (without attachments)

PROJECT TIME LINE

ACTIVITY	1992												1993													
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D		
ADDITIONAL SOIL INVESTIGATION (1)																									COMPLETED	
ADDITIONAL GROUNDWATER INVESTIGATION (2)																										
GROUNDWATER	REMEDIATION SYSTEM DESIGN (3)																									
	SYSTEM PERMITTING (4)																									
	EQUIPMENT PROCUREMENT (5)																									
	SYSTEM CONSTRUCTION AND START-UP (6)																									
	SYSTEM OPERATION AND MAINTENANCE (7)																									AUG., 1998
	PERFORMANCE EVALUATION (8)																									AUG., 1998-JULY, 1999
	VERIFICATION GROUNDWATER MONITORING (9)																									AUG., 1999-JULY, 2000
	SITE CLOSURE (GROUNDWATER) (10)																									AUG., 1999-JULY, 2000

LEGEND

(X) FOR NOTES AND ASSUMPTIONS
REFER TO PLATES 2 THROUGH 5

PROBABLE SCHEDULE

ESTIMATED SCHEDULE



GeoStrategies Inc.

REMEDIATION IMPLEMENTATION SCHEDULE
 ARCO Service Station #5387
 20200 Hesperian Boulevard
 Hayward, California

PLATE

1

JOB NUMBER
7926-RTL

REVIEWED BY

DATE
1/92

REVISED DATE
12/92

(1) Additional Soil Investigation (Performed during on-site drilling, August 1992)

- Soil contamination is on-site only and appears confined to a limited area adjacent to the underground storage tank (UST) complex.
- Additional soil investigation is not warranted at this time.

(2) Additional Ground-water Investigation

- No additional ground-water monitoring wells will be required.
- A work plan was submitted July 7, 1992 for an off-site ground-water investigation.
- The work plan was implemented between August 1992 and November 18, 1992. This work included installation of monitoring and recovery wells and an aquifer test. A delay in the downgradient well installation occurred due to utility location. This well was relocated which required an additional encroachment permit. A report documenting the aquifer test and initial off-site well installation is scheduled for completion on December 24, 1992.
- All encroachment permits were obtained by November 5, 1992.
- Field work, data evaluation, and reporting can be completed two months after receipt of applicable permits.

(3) Remediation System Design (Ground-water)

- Ground-water remediation will only be required onsite.
- A Remedial Action Plan (RAP) will be prepared detailing the design of the on-site ground-water remediation system.
- The RAP will be approved by the Alameda County Health Agency within one month after submittal.
- No revisions will be required following agency review.



GeoStrategies Inc.

REMEDIATION IMPLEMENTATION SCHEDULE

ARCO Service Station #2169

(889 West Grand Avenue) 20200 Inspiration Blvd., Hayward, CA
Oakland, California

PLATE

2

JOB NUMBER
7927-RTL

REVIEWED BY

DATE
1/92

REVISED DATE
12/92

(4) Remediation System Permitting (Ground-water)

- No modifications to design required for permitting.
- Planning/Building department approval within 120 days.
- BAAQMD approval within 90 days.
- Discharge permit approval within 90 days.

(5) Equipment Procurement (Ground-water)

- No equipment modification due to agency/permitting requirements.
- Equipment available from manufacturers stock within six weeks.

(6) System Construction and Startup (Ground-water)

- No delays due to underground storage tank replacement.
- No delays from utility companies.
- No special dealer/property owner requirements.
- No unusual contractor delays.
- No unforeseen on-site conditions.
- No weather delays.

(7) System Operation and Maintenance (Ground-water)

- Five year operation of system to meet cleanup levels.
- Regulatory approval of system shutdown after five years.



GeoStrategies Inc.

REMEDATION IMPLEMENTATION SCHEDULE
ARCO Service Station #5387
20200 Hesperian Boulevard
Hayward, California

PLATE

3

JOB NUMBER
7926-RTL

REVIEWED BY

DATE
1/92

REVISED DATE
12/92

(8) Performance Evaluation (Ground-water)

-Will show system is operating as designed and does not require modification.

(9) Verification Ground-water Monitoring

- One year (four quarters) of water-level and chemical data.
- Sampling demonstrates ground-water cleanup has been achieved. No further system operation required.

(10) Site Closure

- Agency approval within one year based on results of verification borings and verification monitoring and sampling.



GeoStrategies Inc.

REMEDATION IMPLEMENTATION SCHEDULE
ARCO Service Station #5387
20200 Hesperian Boulevard
Hayward, California

PLATE

4

JOB NUMBER
7926-RTL

REVIEWED BY

DATE
1/92

REVISED DATE
12/92



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

92 DEC 18 11:13:14

(510) 352-4800

December 9, 1992

ARCO Products Company
Post Office Box 5811
San Mateo, California 94402

Attn: Mr. Michael Whelan

Re: **Monthly Site Status Update**
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Boulevard
Hayward, California

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of November, 1992 and site activities anticipated for the month of December, 1992.

Status of Previous Month's Activities:

- * Issued a draft Continuing Site Assessment/Quarterly Monitoring Report presenting the results of a well installation, an aquifer test, and third quarter, 1992 monitoring and sampling to ARCO (final report due December 23, 1992).
- * Performed fourth quarter, 1992 ground-water monitoring and sampling (due January 9, 1993).
- * Received encroachment permit for down-gradient well on November 5, 1992.

:ARCOMISC/S926(rt)

GeoStrategies Inc.

ARCO Products Company
December 9, 1992
Page 2


- * Installed one off-site, down-gradient ground-water monitoring well (A-10) (Report due with fourth quarter monitoring report on February 1, 1993).

Anticipated Work to be Performed in the Next Month:

- * Issue a draft Quarterly Monitoring/Well Installation Report presenting fourth quarter, 1992 monitoring and sampling and the installation of Well A-10 to ARCO.
- * Issue a final Continuing Site Assessment/Quarterly Monitoring Report to ARCO, RWQCB, and ACHA (due date December 23, 1992).

If you have any questions or comments, please call.

Sincerely,


John F. Vargas
Senior Geologist

cc: Ms. Juliet Shin, Alameda County health Agency, Department of
Environmental Health (Certified Mail)
Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney

:ARCOMISC/S926(rt)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



EP

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

November 30, 1992

Mr. Michael Whelan
ARCO Products Company
P.O. Box 5811
San Mateo, CA 94402

STID 817

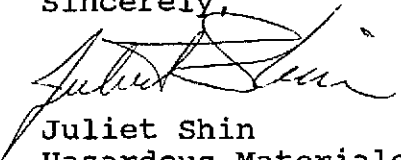
RE: ARCO Services Station No. 5387, located at 20200 Hesperian
Blvd., Hayward, California

Dear Mr. Whelan,

In addition to Joel Coffman's, RESNA, summary of the discussions regarding the above site on November 18, 1992, I wanted to add that it is this office's understanding from the meeting that a Remediation Plan, including details of the aquifer tests, will be completed and submitted to this office some time in December 1992. Additionally, Mr. John Vargas, GeoStrategies, Inc., stated that the analysis for the ground water sample recently collected from the extraction well included lead. It is the understanding of this office that the analysis results for this ground water sample will be included in the Remediation Plan.

Thank you for your cooperation. If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,


Juliet Shin
Hazardous Materials Specialist

cc: Eddy So, RWQCB

John Vargas
GeoStrategies, Inc.
2140 West Winton Ave.
Hayward, CA 94545

Joel Coffman
3315 Almaden Expressway, Ste 34
San Jose, CA 95118

Hugh Murphy, Hayward Fire Dept.

Edgar Howell-File(JS)

92 NOV 25 11 03:23

3315 Almaden Expressway, Suite 34
 San Jose, CA 95118
 Phone: (408) 264-7723
 Fax: (408) 264-2345

TRANSMITTAL

TO: Ms. Susan Hugo
 ACHCSA
 Dept. of Environmental Health
 80 Swan Way, Room 200
 Oakland, California 94612

DATE: November 25, 1992
PROJECT NUMBER: Various
SUBJECT: Minutes to Meeting

FROM: Joel Coffman
TITLE: Project Geologist

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1	11/24/92	Various	Minutes to Meeting held at Alameda County Health Care Services Agency (ACHCSA) on November 19, 1992.

THESE ARE TRANSMITTED as checked below:

- For review and comment Approved as submitted Resubmit ___ copies for approval
 As requested Approved as noted Submit ___ copies for distribution
 For approval Return for corrections Return ___ corrected prints
 For your files

cc: Mr. Michael Whelan, ARCO Products Company
 Mr. Chris Winsor, ARCO Products Company
 John Meck, ARCO Legal Department
 Eddy So, RWQCB
 Hugh Murphy, City of Hayward Fire Department
 Juliet Shin, ACHCSA
 John Vargas, GeoStrategies

Copies: 1 to RESNA project file no. Various ARCO sites



Working To Restore Nature

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
Fax: (408) 264-2345

November 24, 1992
1124shgo

Ms. Susan Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94612

Subject: Minutes to Meeting held at Alameda County Health Care Services Agency (ACHCSA) on November 19, 1992.

Dear Ms. Hugo:

On behalf of ARCO Products Company (ARCO), RESNA Industries, Inc. (RESNA has prepared these minutes for the meeting held at your offices on November 19, 1992. This meeting was held for discussion of ARCO sites located in Alameda County and under direction of Mr. Eddy So of the Regional Water Quality Control Board (RWQCB). In addition to Mr. Eddy So, attending the meeting were Ms. Susan Hugo and Ms. Juliet Shin of the ACHCSA, Mr. Hugh Murphy and Mr. Jay Swardenski of the City of Hayward Fire Department, Mr. Michael Whelan of ARCO, Mr. John Vargas of GeoStrategies, Inc., and Mr. Joel Coffman of RESNA. An agenda for the meeting, including a listing of sites for discussion, was sent to the offices of the ACHCSA, City of Hayward Fire Department, and the RWQCB prior to the meeting.

Items discussed include the following: ongoing assessment at the sites, offsite access problems, schedules and changes in schedules for remediation, and other issues concerning the sites. Specific topics discussed for each site are included in the following minutes to the meeting.

Attending the entire meeting were Mr. Eddy So of the RWQCB, Ms. Susan Hugo of the ACHCSA, Mr. Michael Whelan of ARCO, and Mr. Joel Coffman of RESNA. The meeting convened at approximately 1:45 p.m. Site specific topics discussed are included in the following portion of these minutes.

ARCO Station 5387, 20200 Hesperian Blvd., Hayward California.

In addition to the people that were present for the entire meeting, during discussion of ARCO Station 5387 were Ms. Juliet Shin of ACHCSA, Mr. John Vargas of GeoStrategies Inc., and Mr. Hugh Murphy and Mr. Jay Swardenski of the City of Hayward Fire Department.

Mr. Vargas described the status of the investigation and planned site activities. Previous work involved installation of seven groundwater monitoring wells and drilling and sampling of four borings. Current work involved three phases which will be presented in an upcoming report. This report is in draft stage and will be submitted **within one month**. Phase One involved the installation of two groundwater monitoring wells and one groundwater recovery well. Phase Two involved monitoring and sampling of all site wells and Phase Three involved aquifer testing. In addition, a groundwater monitoring well was installed down-gradient and across Hesperian Boulevard on November 18, 1992. The extent of hydrocarbon impacted groundwater appears to be delineated on the upgradient and cross-gradient directions. Sampling data from the newly installed well is necessary to assess the down-gradient extent of hydrocarbons. None of the ARCO groundwater monitoring wells contain floating product.

There are four other environmental cases in the vicinity of the ARCO Station. These include the former Texaco Station/Exxon, UNOCAL Station, Shell Station, and Beacon/Alliance Station. Of these, only the Beacon/Alliance Station is currently in operation. According to a Harding Lawson Associates Report concerning the former Texaco Station, an extensive floating product plume appears to be originating from the Beacon/Alliance Station. Mr. Hugh Murphy informed Mr. Michael Whelan that his offices (City of Hayward Fire Department) have additional data pertaining to these cases. Mr. Murphy stated that two letters of violation have been submitted to Beacon/Alliance concerning their site but, as yet, the City of Hayward Fire Department has not received a response.

Ms. Juliet Shin asked if leaded gas was ever present on-site and if lead analysis was performed. ARCO agreed to look into this question.

Due to time required to complete the site assessment, the remediation time schedule should be shifted 4-months. This will make **July, 1993** be the estimated date for start-up of the interim remediation system at the site. Remediation activities at the ARCO Service Station will be carefully monitored so that other nearby contamination problems will not be pulled toward the ARCO Station.

Upon completion of discussion for this site, Ms. Juliet Shin and Mr. John Vargas exited the meeting as this was the only site in which they were specifically involved with.

ARCO Station 362, 29900 Mission Blvd., Hayward, California.

Discussion of this site included mention that the downgradient offsite monitoring wells (MW-6 through MW-8) had been installed and sampled and groundwater samples collected from the offsite wells (MW-6 through MW-8) contained non-detectable amounts of gasoline hydrocarbons. Additionally, eight vapor extraction wells were installed for use in the interim soil remediation system at the site. A work plan outlining three proposed additional onsite groundwater monitoring well installations and the report of the results of the installation of the offsite monitoring wells and eight onsite vapor extraction wells is due to the City of Hayward and the RWQCB before Christmas, 1992.

Mr. Hugh Murphy raised concerns about halogenated volatile organic compounds (VOCs) previously detected in groundwater samples collected from former monitoring well MW-1 (located near the former waste oil tank) and also mentioned that petroleum hydrocarbons were detected in soil samples collected during the recent removal of the oil/water separator/clarifier at the site, as stated in the City of Hayward Fire Department letter to ARCO dated October 27, 1992. Mr. Murphy requested, and Mr. So concurred, that in addition to analyses for gasoline compounds, that groundwater samples collected from monitoring well MW-3 be analyzed for VOCs using EPA Method 8240 in future monitoring events. MW-3 was chosen as it is located relatively downgradient from the former waste-oil tank and former oil/water separator locations. According to Mr. Murphy, these revisions to the current monitoring program will address the City of Hayward's concerns related to the former oil/water separator/clarifier.

It was explained that the engineering plans and specifications had been finalized for the interim remediation system to be installed at the site and that the bid had been awarded to the construction contractor. Procurement of necessary equipment has been initiated and the estimated date for commencement of construction activities is on or before February 1, 1993. This construction date allows for an estimated system start-up date for system testing and operation by mid-March, 1993.

ARCO Station 1319, 365 Jackson Street, Hayward, California.

Discussion concerning this site began with Mr. Murphy asking why the groundwater elevations measured in on-site monitoring well MW-1 (located within the former gasoline tank pit) were not used for gradient calculation. Mr. Coffman explained that groundwater elevations in MW-1 were anomalously high compared with measured elevations from the other nearby wells. Two possible explanations were provided for these high groundwater elevations in MW-1: that this was part of the effect from being constructed within the former tank pit, which allows for preferential water drainage into MW-1; and, that field personnel had consistently reported that MW-1 was under positive pressure which was noticeable upon opening the sealed well cap during monitoring events. Discussion ensued concerning the positive pressure on the well and Mr. Murphy expressed concerns that if hydrocarbon vapors were being released upon opening the well, that there is a possibility this could pose a potential fire or explosive hazard. It was decided that Mr. Murphy would discuss this with Fire Department personnel and possibly arrange a site meeting to examine the well.

It was discussed that two offsite groundwater monitoring wells (MW-9 and MW-10) had been installed across Jackson and Sycamore Streets from the site. There were some three months delay in the installation of well MW-9 due to obtaining an encroachment permit from Cal Trans. Mr. Coffman provided copies of laboratory analytical results of soil and groundwater samples collected during installation of the off-site wells. These results showed groundwater from well MW-10, located off-site and upgradient from the ARCO site, contained elevated levels of gasoline hydrocarbons. Mr. Coffman had obtained historical aerial photographs of the site vicinity which showed a former gasoline existed in the general vicinity that offsite well MW-10 is located. The site is currently occupied by a seven-eleven store which does not sell gasoline. The offsite monitoring well (MW-9) located cross gradient from the ARCO site contained non-detectable amounts of gasoline hydrocarbons in groundwater samples. A report detailing results of the investigation related to the installation of the offsite monitoring wells and an addendum to work plan proposing installation of additional onsite vapor extraction wells, an onsite groundwater recovery well, and performance of an aquifer test is due to the City of Hayward and the RWQCB before **Christmas, 1992**. The report detailing results of additional well installations and aquifer test is due for submittal on **April 1, 1993**. A Remedial Action Plan is due for submittal on **May 1, 1993**. Detailed engineering design for the interim remediation system at the site is due to be completed by **July 1, 1993**.

Discussion concerning the location of monitoring well MW-7, near the former waste-oil tank followed. Mr. Murphy and Mr. So expressed concerns that MW-7 was cross-gradient and

not downgradient from the former waste-oil tank. It was agreed that at least another quarter of monitoring to collect additional data to better establish the direction of groundwater flow would take place before a decision would be reached whether to discontinue sampling MW-7 and install an additional well downgradient from the former waste-oil tank.

Based on work currently performed at the site, Mr. Coffman and Mr. Whelan said the engineering design for an interim remediation system for this site should be completed and sent out for construction bids by **September, 1993**. This estimated schedule would allow for an estimated construction commencement date of **November, 1993**. Estimated testing and start-up of the system is **mid - to - late December, 1993**. Mr. So questioned the amount of time required for ARCO to construct these systems. Mr. Whelan explained in the past year, ARCO has learned it takes approximately 9 to 11 months to get from the end of site characterization phase to start-up of these systems. Many of the delays were due to permitting problems including some cases in which the permitting process was almost complete and cities have re-zoned the areas, which has caused significant (up to three or more months) additional delays. Permitting delays have also been encountered in dealings with sanitary districts and the Bay Area Air Quality Management District. Other delays have been associated with slow manufacturer delivery of large pieces of remediation equipment such as catalytic and thermal oxiders.

Mr. So remarked that the monthly site status updates provided for the sites under his jurisdiction were vague and lacked specific dates for completion of certain tasks. He requested that these monthly updates be made more time specific and that they show more commitment on ARCO's part for completing things within given time frames. ARCO agreed to revise the monthly reports.

Mr. Whelan said he would write a letter to Mr. So citing specific examples of delays ARCO had encountered in getting some of these systems installed and operational.

Upon completion of discussion concerning this site, Mr. Hugh Murphy and Mr. Jay Swardenski excused themselves from the meeting as they were not involved in the sites to be discussed which are located in Livermore, California.

ARCO Station 771, 899 Rincon Ave., Livermore, California.

Discussion about this site began by Ms. Susan Hugo and Mr. Joel Coffman mentioning that the owner of property immediately adjacent to the ARCO site had refused to allow ARCO to install groundwater monitoring wells on the property. Mr. So suggested that Ms. Hugo try and schedule a meeting between herself, ARCO, and the property owner. It was noted that three written requests had already been made and that the property owner had spoken with Mr. Coffman and Ms. Hugo concerning this matter. Ms. Hugo said the property owner would allow installation of the wells if ARCO would sign an agreement in advance that whatever contamination may be found in soil or groundwater during the well installations would be the sole responsibility of ARCO. Mr. Whelan explained that ARCO is willing to clean up soils and groundwater impacted by petroleum hydrocarbons which originate from ARCO-owned sites, but ARCO will not sign license agreements granting blanket indemnification for any and all soil/groundwater contaminants.

Mr. Coffman showed Mr. So and Ms. Hugo proposed new locations for three offsite monitoring wells which will be located within City of Livermore right of ways. Mr. So and Ms. Hugo agreed with the proposed new well locations and requested a letter be sent with a Plate showing the proposed locations in lieu of a new work plan addendum. She stipulated that upon gaining access, at least two additional wells would need to be placed upon the adjacent property in the future. The report detailing the results of the offsite monitoring well installations is due to the RWQCB and ACHCSA by **March 1, 1993**.

It was explained that this site was on schedule for installation and start-up of the interim remediation system at the site and that construction of the system had commenced on November 9, 1992.

Ms. Hugo pointed out to Mr. Whelan that in the underground tank replacement report prepared by ROUX Associates, there were no manifest forms included to document disposal of the former tanks. Mr. Whelan agreed to provide these manifest forms.

ARCO Station 6113, 785 E. Stanley Blvd., Livermore, California.

Discussion about this site commenced with Mr. Coffman discussing the existence of two shallow water-bearing zones at the site. The shallowest zone, in which wells MW-1 through MW-4 are constructed, has contained little or no water for the past year and the deeper zone, in which wells MW-5 through MW-9 are constructed, has seen water levels decrease significantly (several feet) during the past quarter. Mr. So explained that the City of

Livermore has many large pumping wells used as domestic supply wells and that pumping of these wells may be partially responsible for the drop in water levels. He asked if RESNA had conducted a well search to identify wells located within 1/2 mile of the site and if water temperature data had been collected from the monitoring wells. Mr. Coffman said he would investigate this further. Mr. So requested that upon installation of a groundwater recovery well, that ARCO continuously sample the soil boring to verify that an aquitard exists between the shallow and deep two water-bearing zones at the site.

Mr. Coffman explained that additional borings, monitoring wells, and two vapor extraction wells had been installed at the site recently and that ARCO currently had the report draft for review. Mr. Whelan said this report would be issued to the RWQCB and ACHCSA in final form by **Christmas, 1992**. In addition, a work plan proposing additional onsite and initial offsite monitoring wells, additional onsite vapor extraction wells, a groundwater recovery well, and performance of an aquifer test would be delivered to the RWQCB and ACHCSA by **January 1, 1993**. The report detailing results of these well installations and aquifer test is due to the RWQCB and ACHCSA by **April 15, 1993**. Other time tables for commencement or completion of work related to this site include a Remedial Action Plan is due to the RWQCB and ACHCSA by **May 15, 1993**. Engineering design should be completed by **July 15, 1993** and bid requests sent out and awarded to winning construction contractor by **August 30, 1993**. This will allow for construction of an interim remediation system at the site to commence by **November 1, 1993**.

Ms. Hugo requested that when water is present in groundwater monitoring well MW-1 that samples collected from the well be submitted for TOG analysis as it is located downgradient from the former waste oil tank.

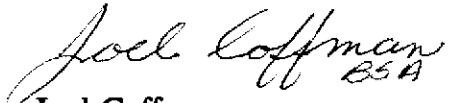
Upon conclusion of discussion for this site, the meeting adjourned at approximately 5:15 p.m.

Minutes to November 19, 1992 Meeting at ACHCSA

November 24, 1992

If you have any questions or comments concerning these minutes to the meeting, please call us at (408) 264-7723.

Sincerely,
RESNA Industries Inc.


Joel Coffman
Project Geologist

cc: Michael Whelan, ARCO Products Company
Chris Winsor, ARCO Products Company
John Meck, ARCO Legal Dept.
Eddy So, RWQCB
Hugh Murphy, City of Hayward Fire Department
Juliet Shin, ACHCSA
John Vargas, GeoStrategies

1:45 PM →

11/19/92

Arco meeting

Eddie So
 Juliett Shin
 Susan Hoops
 Hugh Murphy
 Jan
 Carl Coffman
 John Vague
 Michael
 White

Juliett Shin

5387 - 20200 Deepman Blvd - Hayward ✓

1:45 - 2:30 active station

Reports will be submitted before Xmas

Avelke
 update
 of time
 schedule
 dec. 17, 1992

* Will be updating ^{all} time schedules
 before X-mas

construction - 1993 July start up of system
 still current for systems construction

* → Beacon site - Pam Evans Site Clean-up & ab
 ↳ talked to Pam

11/19/92

② #362

City of Hayward - 29900 Mission Blvd.
Hayward, CA
Hugh Murphy ✓

PM
2:30-2:50

30-day notice to operators

RAP → done

area of influence → per VET (20ft radius)

3 gpm 1st construction (late February)

Schedule - mid March start-up

Alcane Bradshaw →

Re-landscape plan → 6401 Telegraph
→ conditional use permit

C-28 to C-20

Soil Vapor Extraction - Tight clay; may

use air sparging

- MW-1 solvent found } City Hayward
↳ destroyed

requested test for VOC
on MW3 (8240)

2:50

#3

365 Jackson Street Hayward CA ✓

→ DTW (50 ft)

MW1 - building pressure - backfilled w/ pea gravel, not contained ^{maybe} mounding effect
ALCO will check cause

HWS: did vapor extraction test.

Report of off site wells, RW, Work plan for aquifer test, ^{of vws} - due before Xmas →

started with site ^{started with} very little data →

Schedule for remediation →

MW-7 - no TOG & VOC's. ^{maybe} but up gradient of WO tank & not down gradient & may be captured.

→ Aquifer Test results → 1st March

Report → April 1, 1993

(cut vapor) RAP → May 1993 (permitting ^{being finished})

Design → July 1 1993

Construction (closed the site) →

6-8 wks contractor to procure equipment →

4-6 wks start construction to system start-up
around the bid ^{6 wks} to construction

ARCO meeting:

① * Monthly update must have a committed date (per Eddy So)

② Letter from ARCO:
Revising schedules - submit (Dec.)

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
Fax: (408) 264-2345

T R A N S M I T T A L

TO: Ms. Susan Hugo
Alameda County Health Care
80 Swan Way, Room 200
Oakland, California 94612

DATE: November 12, 1992
PROJECT NUMBER:
SUBJECT: Proposed Agenda

FROM: Joel Coffman
TITLE: Project Geologist

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1	11/12/92		Proposed Agenda on November 19, 1992.

THESE ARE TRANSMITTED as checked below:

- For review and comment Approved as submitted Resubmit ___ copies for approval
 As requested Approved as noted Submit ___ copies for distribution
 For approval Return for corrections Return ___ corrected prints
 For your files

REMARKS: cc: Mr. Michael Whelan, ARCO Products Company
Mr. Eddy So, RWQCB
Mr. Hugh Murphy, City of Hayward Fire Department
Mr. John Vargas, GeoStrategies

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
Fax: (408) 264-2435

November 13, 1992
1112shgo

Ms. Susan Hugo
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, California 94612

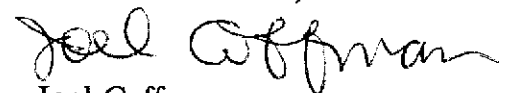
Subject: Proposed Agenda for Meeting at your office on November 19, 1992.

Dear Ms. Hugo:

We have prepared this proposed agenda for the meeting we have scheduled at your office at 1:30 p.m. on November 19, 1992. This meeting will be for discussion of sites under direction of Mr. Eddy So of the Regional Water Quality Control Board (RWQCB). We understand you have contacted Mr. So to ascertain that he will be able to attend the meeting. Mr. Hugh Murphy of the City of Hayward Fire Department will attend the meeting to discuss sites which fall under City of Hayward regulatory oversight. Mr. So is the RWQCB person with oversight responsibility of the Hayward sites. A separate meeting to discuss sites overseen by Mr. John Jang of the RWQCB will be scheduled at another date.

Items we would like to discuss include the following: ongoing assessment at the sites, offsite access problems, schedules for remediation, and other issues as they arise in discussing the sites. If you have any questions or comments concerning this proposed agenda, please call us at (408) 264-7723.

Sincerely,
RESNA Industries, Inc.


Joel Coffman
Project Geologist

cc: Michael Whelan, ARCO Products Company
Eddy So, RWQCB
Hugh Murphy, City of Hayward Fire Department
John Vargas, GeoStrategies

Proposed Agenda for November 19, 1992 ACHCSA Meeting

	<u>ARCO Station</u>	<u>Oversight Staff/Agency</u>	<u>Cnsltnt</u>
1:30 to 3:00	# 5387, 20200 Hesperian Blvd. Hayward California.	Ms. Juliet Shin/ACHCSA	GeoStratagies
	# 362, 29900 Mission Blvd. Hayward, California.	Hugh Murphy/City of Hayward	RESNA
	# 1319, 365 Jackson Street Hayward, California.	Hugh Murphy/City of Hayward	RESNA
3:00 to 4:30	# 771, 899 Rincon Ave. Livermore, California	Susan Hugo/ACHCSA	RESNA
	# 6113, 785 E. Stanley Blvd. Livermore, California	Susan Hugo/ACHCSA	RESNA



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

(510) 352-4800

November 9, 1992

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Michael Whelan

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of October, 1992 and site activities anticipated for the month of November, 1992.

Status of Previous Month's Activities:

- * Ground-water monitoring and sampling was performed for the third quarter, 1992.
- * Performed 24 hr. constant rate aquifer test.
- * Pursue encroachment permit for the installation of an off-site ground-water monitoring well.

:ARCO/A926.WP(rt)

921112 11:06

GeoStrategies Inc.

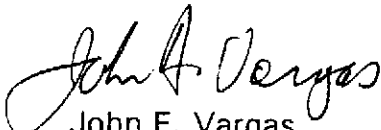
ARCO Products Company
November 9, 1992
Page 2

Anticipated Work to be Performed in the Next Month:

- * Issue draft Continuing Site Assessment/Quarterly Monitoring Report presenting the results of third quarter sampling and monitoring, well installation, and aquifer test to ARCO.
- * Issue Continuing Site Assessment/Quarterly Monitoring Report to ARCO, ACHA, and RWQCB.
- * Install one off-site down-gradient ground-water monitoring well.
- * Perform fourth quarter ground-water sampling and monitoring.

If you have any questions, please call.

Sincerely,


John F. Vargas
Senior Geologist

JFV/rmt

cc: Ms. Juliet Shin, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Richard Hiett, RWQCB, San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney

:ARCO/A926.WP(rt)

October 12, 1992

92 OCT 14 08:12:55

Ms. Susan Hugo
Alameda County Department of Environmental Health
80 Swan Way
Oakland, California 94621

ARCO Products Company Facilities in Alameda County

Dear Ms. Hugo:

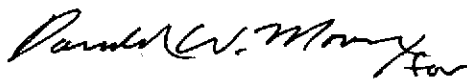
Please find attached, Quarterly Summary Reports (QSRs) for ARCO Products Company Service Stations in Alameda County. The QSRs summarize activities conducted by ARCO at the respective sites during the third quarter of 1992; also included are projected site activities for the fourth quarter of 1992 and a bibliography of reports submitted for each location.

The QSRs are classified by city and address within Alameda County. We are submitting this document and attached QSRs as agreed. Please note that we are forwarding copies of the QSRs to the Regional Water Quality Control Board (RWQCB).

Please note that ARCO Products Company has reviewed the RWQCB's February 19, 1991 printout of ARCO fuel leak sites. We have evaluated each site with respect to ARCO's responsibility for investigation, monitoring, and/or remediation. Those locations for which ARCO is not responsible were listed and described in the QSR package delivered to you on July 15, 1991. The attached QSRs therefore represent only those locations for which ARCO is responsible.

ARCO is planning the next comprehensive QSR submittal for ARCO sites on January 15, 1993. Please do not hesitate to contact us with any questions regarding this submittal.

Sincerely yours,



Kyle A. Christie
Environmental Engineer

Attachments: ARCO Facility QSRs

UST LEAK Date of Last Current
SITE UPDATE Review/Update: 7/10/92 Date: 10/1/92

SITE IDENTIFICATION

Name: ARCO Products Company #5387 Case No.: _____
Address: 20200 Hesperian Boulevard
Street Number Street
Hayward 94545
City Zip Code
Alameda Substance: Gasoline
County

Local Agency: Alameda County Health Agency, Department of Environmental Health
Regional Board: San Francisco Bay Region

LEAD STAFF PERSON: Pamela Evans

CASE TYPE:

___ Undetermined ___ Soil Only X Ground Water ___ Drinking Water

STATUS (Date indicates when case moved into status)

___ No Action Taken Date: _____
X Leak Being Confirmed Date: August 1986
X Preliminary Site Assessment Workplan Submitted Date: August 1991
X Preliminary Site Assessment Underway Date: August 1986
___ Pollution Characterization Date: _____
___ Remediation Plan Date: _____
___ Remedial Action Underway Date: _____
___ Post Remedial Action Monitoring Date: _____
___ Case Referred to Regional Board Date: _____
___ Case Referred to Dept. of Health Services Date: _____
___ Case Closed Date: _____

MILESTONES:

There are currently seven groundwater monitoring wells. Three on-site wells were installed during August 1986, three additional on-site wells were installed during October 1991 and one off-site well was installed during December 1991. Refer to the attached chronological listing of reports issued for this site.

RECENT ACTIVITIES/FINDINGS:

Third quarter 1992, ground-water monitoring and sampling were performed. Issued Quarterly Monitoring Report documenting second quarter, 1992 sampling results. Issued Work Plan for additional off-site monitoring wells, an on-site recovery well, and an aquifer test. Installed two off-site monitoring wells and one on-site recovery well.

ANTICIPATED ACTIVITIES:

Quarterly groundwater monitoring and sampling will continue. Issue Quarterly Monitoring Report presenting the results of third quarter, 1992 monitoring and sampling. Install one off-site ground-water monitoring well and perform an aquifer test.

SS# 5387

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Site Investigation Report	August 21, 1986	Ground-water Tech
Work Plan	April 26, 1991	GeoStrategies Inc.
Monitoring Well Installation Report	March 6, 1992	GeoStrategies Inc.
Quarterly Monitoring Report	June 19, 1992	GeoStrategies Inc.
Work Plan	July 14, 1992	GeoStrategies Inc.
Quarterly Monitoring Report	August 28, 1992	GeoStrategies Inc.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

October 8, 1992

Mr. Michael Whelan
ARCO Products Company
P.O. Box 5811
San Mateo, CA 94402

STID 817

RE: The ARCO Services Station No. 5387, located at 20200
Hesperian Blvd., Hayward, California

Dear Mr. Whelan,

This office has reviewed the work plan, dated July 14, 1992,
submitted for the above site. This work plan meets with the
approval of this office.

Field work should commence within 60 days of the receipt of this
letter. Please be reminded that a report documenting the results
from work performed is due to this office within 45 days of the
completion of field activities.

If you have any questions or comments, please contact me at (510)
271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Juliet Shin'.

Juliet Shin
Hazardous Materials Specialist

cc: Eddy So, RWQCB

Hugh Murphy, Hayward Fire Dept.

Randall Young
GeoStrategies Inc.
2140 West Winton Avenue
Hayward, CA 94545

~~Edgar Howell-File~~(JS)



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

92 SEP 22 11 21 59

(510) 352-4800

September 28, 1992

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Michael Whelan

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Whelan:

This letter provides an update on activities, for the above referenced site, performed during the month of August, 1992 and site activities anticipated for the month of September, 1992.

Status of Previous Month's Activities:

- * Installed two off-site ground-water monitoring wells (A-8 and A-9) and one on-site ground-water recovery well (AR-1) at the site.
- * Issued Quarterly Monitoring Report for second quarter, 1992 sampling results to ARCO, ACHA, and RWQCB.

Anticipated Work to be Performed in the Next Month:

- * Ground-water monitoring and sampling will be performed for the third quarter, 1992.


790001

GeoStrategies Inc.

ARCO Products Company
September 28, 1992
Page 2

If you have any questions, please call.

Sincerely,


John F. Vargas
Senior Geologist

JFV/rmt

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Eddy So, RWOCB, San Francisco Bay Region
Mr. Mark Thomson, Alameda County District Attorney

790001



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

(510) 352-4800

August 13, 1992

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Michael Whelan

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Whelan:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of July, 1992 and site activities anticipated for the month of August, 1992.

Status of Previous Month's Activities:

- * Issued Work Plan, dated July 17, 1992, to ARCO, ACHA, and RWQCB.
- * Issued draft Quarterly Monitoring Report for second quarter, 1992 sampling results to ARCO.

Anticipated Work to be Performed in the Next Month:

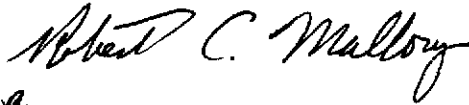
- * Issue Quarterly Monitoring Report for second quarter, 1992 sampling results to ARCO, ACHA, and RWQCB.
- * Pursue permits for proposed wells.
- * Install three off-site monitoring wells and one on-site recovery well pending approval of Work plan dated July 17, 1992 by ACHA and receipt of permits.

GeoStrategies Inc.

ARCO Products Company
August 13, 1992
Page 2

If you have any questions, please call.

Sincerely,



For John F. Vargas
Senior Geologist

JFV:shl

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Lester Feldman, RWQCB, San Francisco Bay Region



GeoStrategies Inc.
2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

92 JUL 14 11:00

(510) 352-4800

July 9, 1992

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Michael Whelan

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Whelan:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of June, 1992 and site activities anticipated for the month of July, 1992.

Status of Previous Month's Activities:

- * Issued draft Work Plan to ARCO.
- * Ground-water sampling and monitoring for the second quarter of 1992 will be performed.

Anticipated Work to be Performed in the Next Month:

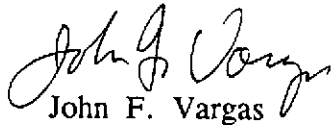
- * Issue Work Plan to ARCO, ACHA, and RWQCB.
- * Issue draft Quarterly Monitoring Report for second quarter, 1992 sampling results to ARCO.
- * Pursue permits for proposed well installations.

GeoStrategies Inc.

ARCO Products Company
July 9, 1992
Page 2

If you have any questions please call.

Sincerely,


John F. Vargas
Senior Geologist

JFV:shl

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Lester Feldman, RWQCB, San Francisco Bay Region

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

RAFAT A. SHAHID, Assistant Agency Director

July 1, 1992

Mr. Michael Whelan
ARCO Station #05387
P.O. Box 5811
San Mateo, CA 94402

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

STID 817

RE: ARCO Service Station No. 5387, located at 20200 Hesperian Blvd.,
Hayward, California

Dear Mr. Whelan,

This office has received and reviewed the Quarterly Monitoring Report, dated June 19, 1992. To this date, seven monitoring wells have been installed on and immediately off site, and samples collected from all but one of these wells have exhibited very elevated concentrations of TPHg and BTEX (up to 210,000 ppb TPHg and 44,000 ppb benzene). According to the TPHg and benzene isoconcentration maps included in the above report, the highest concentrations of TPHg and benzene have been identified near the on-site well MW-2, with concentrations apparently decreasing radially outward from this well.

You are required to submit a work plan to this office **within 45 days** of the receipt of this letter, addressing your proposals for further delineation, containment, and remediation of the ground water contaminant plume beneath the site. These proposals must adhere to the Regional Water Quality Control Board's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, the State Water Board's LUFT manual, and be consistent with requirements set forth in Article 11 of Title 23, California Code of Regulations. Copies of all plans and proposals should be sent to this office. Alameda County must approve these plans before they can be implemented.

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

Please be aware that you must continue to prepare quarterly groundwater monitoring reports and submit them to this office.

Please be reminded to copy **Eddy So** at the San Francisco Bay Regional Water Quality Control Board on all future correspondence and reports.

Michael Whelan
Re: 20200 Hesperian Blvd.
July 1, 1992
Page 2 of 2

If you have any questions or comments, please contact Ms. Juliet Shin
at (510) 271-4320.

Sincerely,



Thomas Peacock, Supervising HMS
Hazardous Materials Division

cc: Eddy So, RWQCB

Hugh Murphy, Hayward Fire Dept.

John F. Vargas
GeoStrategies Inc.
2140 West Winton Ave.
Hayward, CA 94545

~~Edgar Howell-File~~ (JS)



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

(510) 352-4800

June 12, 1992

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Michael Whelan

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Whelan:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of May, 1992 and site activities anticipated for the month of June, 1992.

Status of Previous Month's Activities:

- * Initiated preparation of a Work Plan.
- * Performed one-half mile radius well survey and researched potential off-site sources of contamination.

Anticipated Work to be Performed in the Next Month:

- * Issue draft Work Plan to ARCO.
- * Ground-water sampling and monitoring for the second quarter, 1992 will be performed.


92 JUN 12 11 14 AM '92

GeoStrategies Inc.

ARCO Products Company
June 12, 1992
Page 2

Please call if you have any questions concerning this letter.

Sincerely,


John F. Vargas
Senior Geologist

JFV:rcm

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Eddy So, RWQCB, San Francisco Bay Region.

(6/11/92)

LIST OF ARCO SITES WITH UGT CLEANUP

<u>STID#</u>	<u>ACHD CONTACT</u>	<u>ARCO FACILITY#</u>	<u>ADDRESS</u>
3629	Susan Hugo	Station 2112	1260 Park Street Alameda 94501
817	Juliet Shin	Station 5387	20200 Hesperian Blvd. Hayward 94541
3943	Scott Seery	Station 2152	22141 Center Street Castro Valley 94546
3883	Susan Hugo	Station 6113	785 E. Stanley Blvd. Livermore 94550
3873	Susan Hugo	Station 771	899 Rincon Avenue Livermore 94550
1053	Scott Seery	Station 6041	7249 Village Parkway Dublin 94568
779	Juliet Shin	Station 608	17601 Hesperian Blvd. San Lorenzo 94580
3876	Barney Chan	Station 2185	9800 East 14th Street Oakland 94603
3756	Barney Chan	Station 276	10600 MacArthur Blvd. Oakland 94605
3874	Susan Hugo	Station 4931	731 W. MacArthur Blvd. Oakland 94609
3884	Susan Hugo	Station 374	6407 Telegraph Avenue Oakland 94609
3626	Susan Hugo	Station 6148	5131 Shattuck Avenue Oakland 94609
3890	Barney Chan	Station 2107	3310 Park Blvd. Oakland 94610
3854	Barney Chan	Station 4494	566 Hegenberger Road Oakland 94621
3793	Susan Hugo	Station 2169	889 W. Grand Ave. Oakland 94607
3858	Barney Chan	Station 2035	1001 San Pablo Avenue Albany 94706
0000	Scott Seery	Station 601	712 Lewelling Blvd. San Leandro 94579



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

(510) 352-4800

May 21, 1992

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Michael Whelan

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Whelan:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of April, 1992 and site activities anticipated for the month of May, 1992.

Status of Previous Month's Activities:

- * Issued draft Quarterly Monitoring Report for the first quarter, 1992 to ARCO.

Anticipated Work to be Performed in the Next Month:

- * Issue Quarterly Monitoring Report for the first quarter, 1992 to ARCO, ACHA, and RWQCB.

Please call if you have any questions concerning this letter.

Sincerely,


John F. Vargas
Senior Geologist

JFV:rcm

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of Environmental Health (Certified Mail)
Mr. Eddy So, RWQCB, San Francisco Bay Region.

92 MAY 21 11:51 AM

4/23/92
Called Don Moore (Seaco)
received OK updates of Arco.

April 13, 1992

92 APR 15 PM 2:00

Ms. Susan Hugo
Alameda County Department of Environmental Health
80 Swan Way
Oakland, California 94621

ARCO Products Company Facilities in Alameda County

Dear Ms. Hugo:

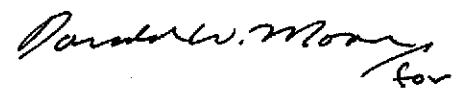
Please find attached, Quarterly Summary Reports (QSRs) for ARCO Products Company Service Stations in Alameda County. The QSRs summarize activities conducted by ARCO at the respective sites during the first quarter of 1992; also included are projected site activities for the second quarter of 1992 and a bibliography of reports submitted for each location.

The QSRs are classified by city and address within Alameda County. We are submitting this document and attached QSRs as agreed. Please note that we are forwarding copies of the QSRs to the Regional Water Quality Control Board (RWQCB).

Please note that ARCO Products Company has reviewed the RWQCB's February 19, 1991 printout of ARCO fuel leak sites. We have evaluated each site with respect to ARCO's responsibility for investigation, monitoring, and/or remediation. Those locations for which ARCO is not responsible were listed and described in the QSR package delivered to you on July 15, 1991. The attached QSRs therefore represent only those locations for which ARCO is responsible.

ARCO is planning a subsequent comprehensive QSR submittal for ARCO sites on July 15, 1992. Please do not hesitate to contact us with any questions regarding this submittal.

Sincerely yours,



Kyle A. Christie
Environmental Engineer

Attachments: ARCO Facility QSRs

UST LEAK Date of Last Current
SITE UPDATE Review/Update: 1/10/92 Date: 4/10/92

SITE IDENTIFICATION

Name: ARCO Products Company #5387 Case No.: _____

Address: 20200 Mesmerian Boulevard

Street Number Street
Hayward 94545

City Zip Code

Alameda Substance: Gasoline

County

Local Agency: Alameda County Health Agency Department of Environmental Health

Regional Board: San Francisco Bay Region

LEAD STAFF PERSON: Patricia Tamas

CASE TYPE:

 Undetermined Soil Only X Ground Water Drinking Water

STATUS (Date indicates when case moved into status)

 No Action Taken Date: _____
X Leak Being Confirmed Date: April 1991
X Preliminary Site Assessment Workplan Submitted Date: August 1991
 Preliminary Site Assessment Underway Date: _____
 Pollution Characterization Date: _____
 Remediation Plan Date: _____
 Remedial Action Underway Date: _____
 Post Remedial Action Monitoring Date: _____
 Case Referred to Regional Board Date: _____
 Case Referred to Dept. of Health Services Date: _____
 Case Closed Date: _____

MILESTONES:

There are currently seven groundwater monitoring wells. Three on-site wells were installed during August 1986, three additional on-site wells were installed during October 1991 and one off-site well was installed during December 1991.

RECENT ACTIVITIES/FINDINGS:

First quarter 1992, ground-water monitoring and sampling were performed. Issued report documenting installation of four monitoring wells from the previous quarter.

ANTICIPATED ACTIVITIES:

Quarterly groundwater monitoring, sampling and reporting will be performed.

SS# 5387

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Site Investigation Report	August 21, 1991	Ground-water Tech
Work Plan	April 26, 1991	GeoStrategies Inc.
Monitoring Well Installation Report	March 6, 1992	GeoStrategies Inc.



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

92/157-7 11:24

(510) 352-4800

March 31, 1992

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Michael Whelan

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station No. 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Whelan:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of March 1992 and site activities anticipated for the month of April 1992.

Status of Previous Month's Activities:

- * Issued Well Installation Report to ARCO, ACHA, and RWQCB.
- * First quarter, 1992 ground-water monitoring and sampling were performed.

Anticipated Work to be Performed in the Next Month:

- * Issue Quarterly Monitoring Report for the first quarter, 1992 to ARCO, ACHA, and RWQCB.

Please call if you have any questions concerning this letter.

Sincerely,

A handwritten signature in cursive script that reads "John F. Vargas".

John F. Vargas

JFV:rcm

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Eddy So, RWQCB, San Francisco Bay Region.



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

92 (112) - P. (111) - 61

(510) 352-4800

February 28, 1992

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Charles Carmel

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Carmel:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of February 1992 and site activities anticipated for the month of March 1992.

Status of Previous Month's Activities:

* No scheduled activities.

Anticipated Work to be Performed in the Next Month:

* Issue final Well Installation Report.

Please call if you have any questions concerning this letter.

Sincerely,

A handwritten signature in cursive script, appearing to read 'John F. Vargas', is written over the typed name.

John F. Vargas

JFV:rcm

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)
Mr. Eddy So, RWQCB, San Francisco Bay Region.



GeoStrategies Inc.
2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

92 FEB 18 10:55

(510) 352-4800

January 31, 1992

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Charles Carmel

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Carmel:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of January 1992 and site activities anticipated for the month of February 1992.

Status of Previous Month's Activities:

January 24: A draft copy of a Well Installation Report was sent to Charles Carmel documenting the installations of monitoring wells A-4 through A-7. These wells were installed in October and December, 1991.

Anticipated Work to be Performed in the Next Month:

* Conduct an investigation of potential off-site sources of petroleum contamination in the vicinity. Results of this investigation will lead to the proposal of additional work at the ARCO Service Station.

Please call if you have any questions concerning this letter.

Sincerely,

John F. Vargas

JFV/cmg

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)

January 14, 1992

92 JAN 15 PM 2:17

Mr. Edgar Howell
Alameda County Department of Environmental Health
80 Swan Way
Oakland, California 94621

ARCO Products Company Facilities in Alameda County

Dear Mr. Howell:

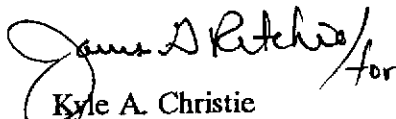
Please find attached, Quarterly Summary Reports (QSRs) for ARCO Products Company Service Stations in Alameda County. The QSRs summarize activities conducted by ARCO at the respective sites during the fourth quarter of 1991; also included are projected site activities for the first quarter of 1992 and a bibliography of reports submitted for each location.

The QSRs are classified by city and address within Alameda County. We are submitting this document and attached QSRs as agreed. Please note that we are forwarding copies of the QSRs to the Regional Water Quality Control Board (RWQCB).

Please note that ARCO Products Company has reviewed the RWQCB's February 19, 1991 printout of ARCO fuel leak sites. We have evaluated each site with respect to ARCO's responsibility for investigation, monitoring, and/or remediation. Those locations for which ARCO is not responsible were listed and described in the QSR package delivered to you on July 15, 1991. The attached QSRs therefore represent only those locations for which ARCO is responsible.

ARCO is planning a subsequent comprehensive QSR submittal for ARCO sites on April 15, 1992. Please do not hesitate to contact us with any questions regarding this submittal.

Sincerely yours,


for
Kyle A. Christie
Environmental Engineer

Attachments: ARCO Facility QSRs

SS# 5387

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Site Investigation Report	August 21, 1991	Ground-water Tech
Work Plan	April 26, 1991	GeoStrategies Inc.



GeoStrategies Inc.
2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

91 NOV 13 PM 1:23

(510) 352-4800

October 30, 1991

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Charles Carmel

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Carmel:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of October 1991 and site activities anticipated for the month of November 1991.

Status of Previous Month's Activities:

October 29 and 30: Installed three on-site ground-water monitoring wells.

Anticipated Work to be Performed in the Next Month:

- * Drill and install off-site ground-water monitoring well, scheduling dependent on submittal of hold harmless form and bonds to Alameda County, to be done by appropriate ARCO Products personnel.
- * Develop and sample new monitoring wells for forthcoming Well Installation Report.

GeoStrategies Inc.

Please call if you have any questions concerning this letter.

Sincerely,


John F. Vargas

JFV/cmg

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)

ARCO Products Compa
2000 Alameda de las Pulgas
Mailing Address: Box 5811
San Mateo, California 94402
Telephone 415 571 2400



Date: October 14, 1991

Re: ARCO Station #

" I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached proposal or report are true and correct."

Submitted by:

Kyle A. Christie
Environmental Engineer

91 OCT 15 PM 9:29

October 14, 1991

Alameda County Department of Environmental Health
80 Swan Way
Oakland, California 94621

Attention: Mr. Edgar Howell

ARCO Products Company Facilities in Alameda County

Dear Mr. Howell:

Please find attached, Quarterly Summary Reports (QSRs) for ARCO Products Company Service Stations in Alameda County. The QSRs summarize activities conducted by ARCO at the respective sites during the third quarter of 1991; also included are projected site activities for the fourth quarter of 1991 and a bibliography of reports submitted for each location.

The QSRs are classified by County and by address within the County. We are submitting this document and attached QSRs as previously agreed. Please note that we are forwarding copies of the QSRs to the Regional Water Quality Control Board (RWQCB).

Please also note that ARCO Products Company has reviewed the RWQCB's February 19, 1991 printout of ARCO fuel leak sites. We evaluated each site with respect to ARCO's responsibility for investigation, monitoring, and/or remediation. Those locations for which ARCO is not responsible were listed and described in the QSR package delivered to you on July 15, 1991. The attached QSRs therefore represent only those locations for which ARCO is responsible.

ARCO is planning a subsequent QSR submittal for ARCO sites on January 15, 1992. Please do not hesitate to contact me with any questions regarding this submittal.

Sincerely,


Kyle A. Christie
Environmental Engineer

Attachments:
ARCO Facility QSRs

REPORT

DATE

CONSULTANT

Site Investigation Report

August 21, 1991

Groundwater Technology

Work Plan

April 26, 1991

GeoStrategies Inc.

Correspondence: Letter to
Alameda County Health Care Services

August 27, 1991

GeoStrategies Inc.



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

(415) 352-4800

September 27, 1991

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Charles Carmel

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Carmel:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of August 1991 and site activities anticipated for the month of September 1991.

Status of Previous Month's Activities:

- September 3, 1991: GSI meeting with Pam Evans, ACHS, to examine reports issued by Thrifty.
- September 10, 1991: Photo copied Thrifty reports at Alameda county.
- September 12, 1991: Keith Bullock mailed copies of Thrifty reports to Charles Carmel.

Anticipated Work to be Performed in the Next Month:

- * Hold Harmless form and bonds to be completed by appropriate ARCO Products personnel.
- * Schedule to drill four groundwater monitoring wells, upon receipt of permit from Alameda County.

Please call if you have any questions concerning this letter.

Sincerely,


John F. Vargas

JFV/cmg

cc: Ms. Pamela Evans, Alameda County Health Agency, Department of
Environmental Health (Certified Mail)



GeoStrategies Inc.

2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

(415) 352-4800

August 28, 1991

Alameda County Health Care Services
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Rm 200
Oakland, CA 94621

Attn: Ms. Pamela Evans

Re: ELIMINATION OF PROPOSED GROUNDWATER
MONITORING WELL

Dear Ms. Evans:

This letter serves as documentation of our phone conversation the morning of August 23, 1991, regarding GeoStrategies Inc. (GSI) request to reduce, by one, the number of off-site groundwater monitoring wells proposed for the ARCO Service Station No. 5387, located at 20200 Hesperian Boulevard in Hayward.

The reasons for the request to eliminate the proposed well are as follow:

1. Alameda County Public Works Agency (letter to Gettler-Ryan dated August 5, 1991) has requested that the proposed well located in the southbound left turn lane be relocated out of the travelled way on Hesperian Boulevard. The Public Works Agency has recommended locating the proposed well along the curb line or in the sidewalk on the west side of Hesperian Boulevard.
2. It has been determined that the curb and sidewalk on the west side of Hesperian are underlain by existing utilities that prevent the installation of the proposed well within a reasonable distance from the site.
3. Existing wells located adjacent to and in inferred down-gradient direction could be used in lieu of proposed well.

It is my understanding that permission is granted to eliminate the proposed well with the proviso that the well may have to be installed at a later date.

Thank you for your help with this matter.

GeoStrategies Inc.

Alameda County Health Care Services
August 28, 1991
Page 2

If you have any questions, please call.

GeoStrategies Inc. by,

A handwritten signature in black ink, appearing to read "Cliff M. Garratt". The signature is stylized and cursive.

Cliff M. Garratt
Hydrogeologist

CMG/mlg

cc: Keith Bullock, Gettler-Ryan Inc.
Charles Carmel, ARCO Products Company
Eddie So, San Francisco Bay RWQCB
David J. Vossler, GeoStrategies Inc.



Jettler - ryan inc.

general contractors

August 27, 1991

ARCO Products Company
P.O. Box 5811
San Mateo, California 94402

Attention: Mr. Charles Carmel

Reference: Monthly Site Status Update
Former Thrifty Oil Company Site
ARCO Service Station 5387
20200 Hesperian Blvd.
Hayward, California 94541

Mr. Carmel:

This letter provides an update on activities for the site referenced above. This update reports site activities performed during the month of July 1991 and site activities anticipated for the month of August 1991.

Status of Previous Month's Activities:

- * July 26, 1991: Mailed request for encroachment permit to install off-site monitoring wells to Alameda County Public Works Agency.
- * August 6, 1991: Letter from Alameda County Public Works Agency outlining requirements that must be met prior to the issuance of an encroachment permit for work at this site.
- * August 23, 1991: Phone call to Alameda County to update permitting difficulties for the wells proposed in the street, spoke with Pam Evans.

Anticipated Work to be Performed in the Next Month:

- * Hold Harmless form and bonds to be completed by appropriate ARCO Products personnel.

Please call if you have any questions concerning this letter.

Sincerely,

Keith Bullock

KB/elm

cc: Ms. Pamela Evans, Alameda County Health Agency (certified mail)

2150 west winton avenue • hayward, california 94545-1210 • (415) 783-7500

010000
16
35



July 3, 1991

Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, California 94621

Attention: Ms. Pamela Evans

Reference: Arco Service Station No. 5387
20200 Hesperian Blvd./Sunset
Hayward, California

Ms. Evans:

The implementation schedule, you requested in your letter dated June 24, 1991, is presented below.

Task	Time
o Submit permit applications to the proper agencies for the installation of five ground-water monitoring wells.	one week
o After receipt of all necessary permits, schedule and complete the installation of the ground-water monitoring wells.	two weeks
o Develop the ground-water monitoring wells.	one week
o Collect groundwater samples.	one week
o Submit a well installation report.	six weeks
o Proposed monitoring frequency will be quarterly after the submittal of the well installation report.	

Please call if you have any questions or comments.

Sincerely,

Keith Bullock

KB/elm

cc: Mr. Charles Carmel, Arco Products Company

Jeff Garrett w/ GSI
called 8/23/91 to
say that they want
to eliminate placement
of S. most well protected
for Resp. - I said OK
PE

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

June 24, 1991

Elaine J. Lavine
ARCO
P.O. Box 5811
San Mateo CA 94402

RE: Groundwater Contamination Investigation for
20200 Hesperian Blvd., Hayward CA 94541

Dear Ms. Lavine:

I have reviewed the workplan submitted by Gettler-Ryan Inc. for the above referenced site. The plan is acceptable to this office with the following required additions and clarifications:

1. No 1989 precision tank tests for the site have been submitted to this office as required.
2. No implementation schedule for your workplan or groundwater monitoring frequency was included in your proposal. You must supply a written timetable and proposed groundwater monitoring frequency for your site.

Please supply copies of the 1989 tank test results and a copy of your timetable and monitoring frequency by July 10, 1991.

All monitoring wells must be sampled at least quarterly for a minimum of one year. A groundwater gradient map must be developed for the site. A technical report must be submitted within three months of the time that the first sampling results are available. This report must present and interpret the information generated during the subsurface investigation.

You may contact me with any questions at (415)271-4320.

Sincerely,

Pamela J. Evans
Hazardous Materials Specialist

c: ✓ Susan Hugo, Alameda County Hazardous Materials Division
Richard Hiatt, Regional Water Quality Control Board
Hugh Murphy, City of Hayward
R.R. Zielenski, Texaco
Danny Chauhan, Alliance
Keith Bullock, Gettler-Ryan Inc.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



March 19, 1991

Elaine J. Lavine
ARCO
P.O. Box 5811
San Mateo CA 94402

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

RE: Groundwater Contamination at 20499 Hesperian Blvd., Hayward

Dear Ms. Lavine:

This letter is to inform you that groundwater contamination exists within 200 feet of your facility at 20200 Hesperian Blvd. Underground storage of petroleum fuel at your site may be a source of this contamination.

Since June, 1988, the owners of the former Texaco (now Exxon) site at 20499 Hesperian have been investigating subsurface contamination. A number of onsite and offsite wells have been installed in order to define the extent of the contaminant plume. Because floating petroleum product has been discovered in a number of upgradient wells between the former Texaco station and your site, you must submit proof that your tank systems are not a source of contamination by providing:

1. Results of 1989 precision tank tests. 1991 and 1990 results have been received by this office.
2. A technical report describing a plan for defining the extent of groundwater pollution impacting your site. The plan must include an implementation schedule. You are required to submit this plan pursuant to California Water Code Section 13627.

The precision tank test results and the investigation plan must be received in this office by no later than April 30, 1991.

You may contact me with any questions at (415)271-4320.

Sincerely,

Pamela J. Evans
Hazardous Materials Specialist

c: Richard Hiett, Regional Water Quality Control Board
Hugh Murphy, City of Hayward
R.R. Zielenski, Texaco
Danny Chauhan, Alliance
Randy Stone, Harding Lawson Associates

HAZARDOUS MATERIALS
 Site Brief for UNDERGROUND TANKS
 for the City of Alameda

ALAMEDA COUNTY
 as of 12/28/90
 pg 1

UTID/ Status BillID	Name of Site	Site Address	#Tanks	PERMITS:
-0- T61043	C Arco Station #02112	1260 Park St. Alameda, CA 94501	5	I:09/06/88 F:-0-
784 T61043	C Arco Station #02035	1001 San Pablo Ave. Albany, CA 94706	4	I:09/06/88 F:-0-
658 T61043	C Arco Station #04977 AM/PM	2770 Castro Valley Blvd. Castro Valley, CA 94546	3	I:09/06/88 F:07/05/88
-0- T61043	C Arco Station #02152	22141 Center St. Castro Valley, CA 94546	3	I:09/06/88 F:-0-
*1053 T61043	C Arco Station #06041	7249 Village Pkwy. Dublin, CA 94568	4	I:09/06/88 F:-0-
*813 T10115	C Arco K&V Gas Foodmart	6211 San Pablo Ave. Emeryville, CA 94608	3	I:-0- F:-0-
L * T61043	C Arco Station #05387	20200 Hesperian Blvd. Hayward, CA 94541	4	I:09/06/88 F:-0-
*0- T21120	C Airport Arco	20450 Hesperian Blvd. Hayward, CA 94541	3	I:02/03/89 F:-0-
* 3112 T42311	C Springtown Arco	909 Bluebell Dr. Livermore, CA 94550	3	I:-0- F:-0-
-0- T61043	C Arco Station #00771	899 Rincon Ave. Livermore, CA 94550	5	I:09/06/88 F:-0-
198 T61026	R Wong's Arco	2032 E. - 12th St. Oakland, CA 94606	0	I:-0- F:-0-
*-0- T61043	C Arco Station #02185	9800 E. - 14th St. Oakland, CA 94603	4	I:09/06/88 F:-0-
1130 TA1036	C Freeway Arco	2740 - 98th Ave. Oakland, CA 94605	4	I:10/13/87 F:-0-
-0- T61043	C Arco Station #02169	889 W. Grand Ave. Oakland, CA 94607	5	I:09/06/88 F:-0-
*-0- -0-	R Gin's Arco Service	706 Harrison St. Oakland, CA 94612	0	I:-0- F:-0-
-0- T61043	C Arco Station #04494	566 Hegenberger Rd. Oakland, CA 94621	3	I:02/05/88 F:-0-
*1038 T21043	C High St. Arco	2951 High St. Oakland, CA 94619	5	I:02/05/88 F:-0-
-0- T61043	C Arco Station #04931	731 W. MacArthur Blvd. Oakland, CA 94609	4	I:09/06/88 F:-0-
-0- T61043	C Arco Station #00276	10600 MacArthur Blvd. Oakland, CA 94605	3	I:09/06/88 F:-0-
851 T41043	C Mountain Blvd. Arco	2844 Mountain Blvd. Oakland, CA 94602	4	I:04/14/88 F:-0-
-0- T61043	C Arco Station #02107	3310 Park Blvd. Oakland, CA 94610	3	I:09/06/88 F:-0-
-0- T61043	C Arco Station #06002	6235 Seminary Ave. Oakland, CA 94605	4	I:09/06/88 F:-0-
-0- T61043	C Arco Station #06148	5131 Shattuck Ave. Oakland, CA 94609	3	I:09/06/88 F:-0-
-0- T61043	C Arco Station #00374	6407 Telegraph Ave. Oakland, CA 94609	3	I:09/06/88 F:-0-
? -0- -0-	F Freedom Arco	15101 Freedom Ave. San Leandro, CA 94578	3	I:-0- F:-0-
1794 T81053	C Tharco	2222 Grant Ave. San Lorenzo, CA 94580	1	I:08/16/88 F:-0-
779 T61043	C Arco Station #00608	17601 Hesperian Blvd. San Lorenzo, CA 94580	4	I:09/06/88 F:-0-

Site Brief for GENERATORS
for the City of Dublin

StID#	Name of Site	Site Address	Zip	LastInsp	#Empl	Sta
1053	Teutsch Enterprises,	7249 Village Pkwy.	568	02/26/90	8	C
1893	Arco Station #02147	40055 Blacow Rd.	538	03/08/88	4	C
2173	Arco Station #02158	35900 Fremont Blvd.	536	08/31/88	1	C
2385	Mission Valley Arco	40077 Mission Blvd.	539	08/02/90	6	C
3006	Kolor by Marcos	2070 American Ave.	545	05/23/90	1	C
817	Arco Station #05387	20200 Hesperian Blvd.	541	01/30/90	0	I
1908	Arco Station #01319	365 Jackson St.	544	03/18/88	2	C
1862	Fairway Park Arco	29900 Mission Blvd.	544	12/18/90	2	B
2112	Spring Town Arco	909 BlueBell Dr.	550	03/19/90	2	I
198	Bill Davis Arco	2032 E. - 12th St.	606	10/30/86	2	I
1130	Freeway Arco	2740 - 98th Ave.	605	07/01/86	2	C
1038	High St. Arco	2951 High St.	619	01/29/87	2	C
* 812	Leon's Arco	4401 Market St. OAK	608	-0-	1	C
851	Mountain Blvd. Arco	2844 Mountain Blvd.	602	11/07/90	2	C
813	ARCO T & A Service	6211 San Pablo Ave.	608	-0-	2	C
* 744	Arco Station #02111	1156 Davis St.	577	07/02/86	6	C
1794	Blasco	2282 Grant Ave.	580	06/09/89	130	C
779	Arco Station #00608	17601 Hesperian Blvd.	580	08/05/88	5	C
3179	Carco, Inc.	30 Union Square	587	10/23/90	7	C

STATUS: C = Current I = Inactive Q = needs Questionnaire

Count = 19

Site Brief for A B - 2 1 8 5
for the city of Alameda

printed: 12/28/90
page: 1

ABID/BillID	Name of Site	Site Address	Zip	SysEntry	S
/L71107	Arco Station #02112	1260 Park St.	501	10/24/90	C
/L91227	Arco Station #02035	1001 San Pablo Ave.	706	08/14/89	C
658/HL7111	Arco Station #04977	2770 Castro Valley Blvd.	546	08/14/89	C
/HL7112	Arco Station #02152	22141 Center St.	546	08/14/89	C
1053/HL7114	Arco Station #06041	7249 Village Pkwy.	568	06/04/90	C
/LC1217	Arco Station #05387	20200 Hesperian Blvd.	541	06/04/90	C
/L22223	Airport Arco	20450 Hesperian Blvd.	541	08/01/89	C
/	Springtown Arco	909 Bluebell St.	550		P
/L41112	Arco Station #00771	899 Rincon Ave.	550	07/28/89	C
/L81123	Arco Station #02185	9800 E. - 14th St.	603	08/14/89	C
1130/L91386	Freeway Arco	2740 - 98th Ave.	608	09/18/89	C
/L81146	Arco Station #02169	889 W. Grand Ave.	607	08/14/89	C
/L81176	Arco Station #04494	566 Hegenberger Rd.	621	08/14/89	C
1038/	High St. Arco	2951 High St.	619	03/21/89	P
/L81178	Arco Station #04931	731 W. MacArthur Blvd.	609	06/04/90	C
/L81128	Arco Station #00276	10600 MacArthur Blvd.	605	11/20/89	C
851/L12017	Mountain Blvd. Arco Servi	2844 Mountain Blvd.	602	11/30/90	M
/L81188	Arco Station #02107	3310 Park Blvd.	610	08/14/89	C
/L81295	Sunshine Petroleum, Inc.	6211 San Pablo Ave.	608	12/28/90	M
/HL8112	Arco Station #06002	6235 Seminary Ave.	605	08/31/90	C
/L81130	Arco Station #06148	5131 Shattuck Ave.	609	06/04/90	C
/L81179	Arco Station #00374	6407 Telegraph Ave.	609	08/14/89	C
744/HL7116	Arco Station #02111	1156 Davis St.	577	08/14/89	C
/HL7118	Arco Station #00601	712 Lewelling Blvd.	579	08/14/89	C
1794/LA1469	Tharco	2222 Grant Ave.	580	07/28/89	C
779/HL7119	Arco Station #00608	17601 Hesperian Blvd.	580	08/14/89	C

Arco Stati

Report Total : 26

Status Codes: C=Current/Part2 M=Current/Part1 P=awaiting busPla
 B=ready for Billing A=ready for Billing I=Inactive

*6211 San Pablo Ave
No 1167 MP.*

ALAMEDA COUNTY, DEPARTMENT OF
ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

II, III

white -env.health
yellow -facility
pink -files

Site ID # 817 Site Name ARCO - PSI Today's Date 1/31/90

II.A BUSINESS PLANS (Title 19)

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

Site Address 20200 Hesperian Blvd
City Hayward Zip 94541 Phone 786-1610

II.B ACUTELY HAZ. MATLS

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

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?
Inspection Categories: 571-2424 2/13/90 - Rec'd
I. Haz. Mat/Waste GENERATOR/TRANSPORTER
II. Business Plans, Acute Hazardous Materials
III. Underground Tanks
Call from Courtland Holman - Environmental Compliance Engineer - has forward results - 2/27/90 - write

III. UNDERGROUND TANKS (Title 23)

- General
 - ___ 1. Permit Application 25284 (H&S)
 - ___ 2. Pipeline Leak Detection 25292 (H&S)
 - ___ 3. Records Maintenance 2712
 - ___ 4. Release Report 2651
 - ___ 5. Closure Plans 2670
- Monitoring for Existing Tanks
 - ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
Semi-annual groundwater
One time soils
 - 3) Daily Vadose
One time soils
Annual tank test
 - 4) Monthly Groundwater
One time soils
 - 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/groundwater mon.
 - 6) Daily Inventory
Annual tank testing
Cont pipe leak det
 - 7) Weekly Tank Gauge
Annual tank testing
 - 8) Annual Tank Testing
Daily Inventory
 - 9) Other
- New Tanks
 - ___ 7. Precs Tank Test 2643
Date: _____
 - ___ 8. Inventory Rec. 2644
 - ___ 9. Soil Testing 2646
 - ___ 10. Ground Water. 2647
 - ___ 11. Monitor Plan 2632
 - ___ 12. Access. Secure 2634
 - ___ 13. Plans Submit 2711
Date: _____
 - ___ 14. As Built 2635
Date: _____

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)
Comments: 12000
6000
8000
10,000 gal
This business operates 4 tanks - motor fuel tanks. No other automotive services offered at this site.

Monitoring program for underground tanks:
- Daily meter/stick reading/reconciliation w/ water test
- Red jacket pipe leak detection for Pressure system
- Yearly tank test? Manager has no information - our file contains no test reports.
* Contact owners & submit test results for 1989 within 30 day.
Business Plan: A Business Plan was submitted to City of Hayward in ~1985. We have a copy on file. This plan needs updating & additional information to be acceptable to County Environmental Health. I left a Plan form to be completed and returned within 30 days.

Automatic leak detection system (Veeder-Root) does not work, apparently - shows leakage + water levels in tanks inconsistent with meter/stick readings.

Contact: Harry Kachner
Title: Manager
Signature: Harry Kachner

Inspector: Pam Evans
Signature: Pamela J Evans

THRIFTY OIL CO.

January 15, 1990

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 (FWJ)

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.)



STATION NO. 052
20200 Hesperian Blvd.
Hayward, CA 94541
Alameda County 01
I.D.

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

No action was taken during this quarter.

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

No action planned. The two year monitoring only program has been discontinued.

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

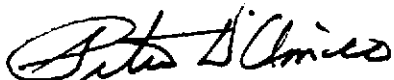
RE: Fuel Leaks Region 2
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Please contact me if you have any questions or require more information related to this project.

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. 052
20200 Hesperian Blvd.
Hayward, CA 94541
Alameda County 01
I. D. # _____

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

No action was taken during this quarter.

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

No monitoring, sampling or analysis of groundwater has been performed since December 1988. The two year monitoring only program has been completed.

THRIFTY OIL CO.

January 19, 1989

Ms. Danielle Ruchonnet
Hazardous Materials Investigator
Hayward Fire Department
22300 Foothill Blvd.
Hayward, CA 94541

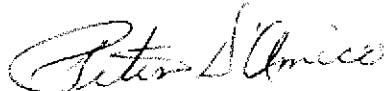
RE: Thrifty Oil Co. Station #052
20200 Hesperian Blvd.
Hayward, CA 94541

Dear Ms. Ruchonnet,

Attached please find Woodward-Clyde Consultants' Quarterly Monitoring Report dated January 11, 1989.

If you need additional information, please call me at (213) 923-9876.

Very truly yours,



Peter D'Amico
Manager
Environmental Affairs

PD/HAP/dmt
Enclosure

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



STATION NO. 052
20200 Hesperian Blvd.
Hayward, CA 94541
Alameda County 01
I. D. #

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

No action was taken during this quarter.

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

No action planned. The two year monitoring only program has been discontinued.

THRIFTY OIL CO.

March 31, 1987

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

RECEIVED
APR 6 1987

ENVIRONMENTAL HEALTH
ADMINISTRATION

*JG file
USTANKS
Please photostats copy
and file in
appropriate files
JAG*

Dear Mr. Gerow

Please be advised that Thrifty Oil Co. has leased the service station listed below to ARCO Petroleum Products Company.

Station No. 052
20200 MacArthur Blvd.
Hayward, CA 94541

ARCO Petroleum Products Company will be responsible for the operation of this station and the monitoring of the underground storage tanks. Please direct all notices and official communications regarding these to both ARCO Petroleum Products Company and Thrifty Oil Co. as follows:

Thrifty Oil Co.
10,000 Lakewood Blvd.
Downey, CA 90240
(213) 923-9876

Prestige Stations, Inc.
17215 Studebaker Road
Cerritos, CA 90701
(213) 402-1224

If you have any questions, please contact me.

Very truly yours,



Peter D'Amico
Manager
Environmental Affairs

PD/dmt



TABLE 1

QUARTERLY MONITORING LOG*
 THRIFTY OIL CO. SS#52

20200 Hesperian Blvd

<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>Monitoring Well</u>	<u>Benzene</u>	<u>Toulene</u>	<u>Total Xylenes</u>	<u>Ethyl Benzene</u>	<u>Total Petroleum Hydrocarbons</u>
8/8/86	8/12/86	MW-1	0.13	.009	.230	.439	14.3
10/28/86	10/28/86		0.5	0.7	1.0		8
1/21/87	1/21/87		0.8	0.5	<0.5	<0.5	3
4/9/87	4/9/87		0.5	0.6	0.2		2.3
12/88			.06	.12	ND	NT	2.1
8/8/86	8/12/86	MW-2	.02	.003	ND	.0018	2.9
10/28/86	10/28/86		1.8	1.4	1.6		23
1/21/87	1/21/87		0.5	3.0	<0.5	<0.5	61
4/9/87	4/9/87		0.8	0.4	0.4		14
12/88			1.4	.13	.37		4.3
8/8/86	8/12/86	MW-3	.510	.549	.409	1.38	14.1
10/28/86	10/28/86		1.2	1.5	0.5		18
1/21/87	1/21/87		<0.5	<0.5	<0.5	<0.5	90
4/14/87	4/16/87		<0.5	<0.5	<0.5	<0.5	4.2
12/88			ND	ND	ND	ND	.5

* All values ppm