

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

April 9, 2001

Mr. Paul Supple
ARCO Products Company
P.O. Box 6549
Moraga, CA 94570

**Re: Request for Deposit for Oversight of Chlorinated Solvent Release at ARCO Station 276,
10600 MacArthur Blvd., Oakland CA 94605**

Dear Mr. Supple:

This letter follows up an original March 8, 1999 request by our office, copy enclosed, whereby we requested a deposit for regulatory oversight of the above referenced site. Because of recent changes in our hourly rate, now \$105.00 per hour and the minimum request time of twenty (20) hours, our office now requests that your deposit be in the amount of \$2,100. Please submit this check, payable to Alameda County Department of Environmental Health and write the site address on the check.

Your prompt response to this request is appreciated. Please contact me at (510) 567-6765 if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Barney M. Chan". The signature is written in a cursive, flowing style.

Barney M. Chan
Hazardous Materials Specialist

enclosure

✓ c: B. Chan, files

2Dep10600 MacArthur

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

March 8, 1999
StID # 3756

Mr. Kyle Christie
ARCO Products Co.
P.O. Box 5077
Buena Park, CA 90622-5077

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

**Re: Request for Deposit for Oversight of Chlorinated Solvent Release at ARCO Station 276,
10600 MacArthur Blvd., Oakland CA 94605**

Dear Mr. Christie:

This letter is a follow-up to my February 3, 1999 letter regarding the fuel and solvent releases at the above referenced site. You will shortly be receiving a Remedial Action Completion Certificate (RACC) aka closure letter for this site for the former waste oil and gasoline fuel tanks. However, you are aware, our office still requires a Risk Management Plan (RMP) as mentioned in my prior letter. This plan should include at a minimum:

- A long term monitoring plan consistent with that of Foothill Shopping Center's. In regards to future monitoring, your RMP should propose the closure of monitoring wells not needed for monitoring of the chlorinated solvent release.
- ACEHS notification prior to construction at this site where soil and/or groundwater will be handled
- An approved plan for the handling of excavated soils or groundwater
- Prohibition of the use of groundwater for any purposes without ACEHS approval
- Prohibition of the installation of wells without ACEHS approval
- An approved Health and Safety Plan for any subsurface work at the site and
- A deed restriction limiting the use of the property to the current scenario unless a risk assessment is done to examine future exposure pathways.

Since our office is closing the petroleum underground tank portion of this site, we will require a deposit of \$1500.00 to continue the oversight of the solvent release. This will be used at a rate of \$100.00 per hour and any remaining funds reimbursed at the closure of the solvent investigation. Please submit a check payable to Alameda County Environmental Health with the site address written on it prior to or along with your RMP.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

√ C: B. Chan, files

Dep10600MacArthur

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



~~February 3, 1999~~

StID #3756

Mr. Kyle Christie
ARCO Products Co.
P.O. Box 5077
Buena Park, CA 90622-5077

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

Re: ARCO Station 276, 10600 MacArthur Blvd., Oakland CA 94605

Dear Mr. Christie:

This letter serves to update you on the County's review of the above site in regards to the both the petroleum and chlorinated hydrocarbon releases. In reference to the petroleum hydrocarbon release, our office is still reviewing internally the closure document. Because of the potential recommendation for closure for the petroleum release, our office agreed on putting groundwater monitoring on hold in late 1997.

In reference to the chlorinated solvent release, perchloroethylene (PCE), the Water Board policy does not allow closure of these sites where the solvent concentration exceeds MCLs. Because the source of the solvent has not been shown to be from off-site, a Risk Management Plan must be provided. This is required in spite of the fact that the prior submitted human health risk assessment showed that no human health risk exists under current site conditions. Limited long term monitoring for chlorinated solvents must be a part of the RMP.

As you may be aware, the adjacent Foothill Shopping Center; has a similar solvent problem. They have installed off-site monitoring wells and intend to demonstrate that natural bio-degradation of the solvent is occurring. It would seem reasonable that ARCO could use a similar approach if active remediation is not being considered. A monitoring plan concurrent with Foothill Shopping Square is advisable.

Please provide an acceptable risk management plan for the residual chlorinated solvent **within 45 days or by March 17, 1999**. In the meantime, our office will keep you updated on the potential closure of the petroleum release investigation.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

✓ C: B. Chan, files

Mr. G. VanderVeen, Pinnacle Environmental Solutions, 144-A Mayhew Way, Walnut Creek, CA, 94596

D. Lee, RWQCB, 1515 Clay St., Ste. 1400, Oakland CA 94612

Mr. R. Gilcrease, Drake Builders, 1616 23rd St., Galveston, TX 77550

RMP-10600

Chan, Barney, Public Health, EH

From: Weston, Robert, Public Health, EH
Sent: Friday, January 29, 1999 12:56 PM
To: Seery, Scott, Public Health, EH
Cc: GHOLAMI, A, Public Health, EH; Hwang, Don, Public Health, EH; Chan, Barney, Public Health, EH; Hugo, Susan, Public Health, EH; Shin, Juliette, Public Health, EH
Subject: FW: memo

LOP/HAZMAT STAFF

Sent at Tom's Request

Robert Weston
Hazardous Materials Program

From: Thomas Peacock[SMTP:tfpeacock@earthlink.net]
Sent: Friday, January 29, 1999 10:02 AM
To: rweston@co.alameda.ca.us
Subject: memo

29 January, 1999
To: LOP/HazMat Staff
From: Tom
Subject: Staff Meeting and Performance Objectives

We will have a short staff meeting in Room 252 at 10:00 on Tuesday, Feb. 2, Groundhog Day. The following performance objectives can be discussed:

- minimum 55% site specific time, which can be measured where STID exists in dailies. You are reminded not to enter STID in that block if it is not site time.
- Written correspondence is an important part of the documentation of our job. Each of you will be expected to fall within the norm for letters written, compared to others doing the same job.
- All site specific time needs to have entered in the comment field of dailies notes concerning what you did: phone call, to whom, letter, reports reviewed, etc.
- While it is important to concentrate on important sites, all sites need attention. You will be expected to fall within the range for number of sites worked on during any period: month, quarter.
- It is important that I know about all significant sites. You may be questioned about all sites that fall within the top 5% for the amount of time charged during a period: month, quarter, etc. It is important that we document everything concerning the big time user cases.
- One measure of quality is how long it takes different people to do the same thing. I will also expect that each person falls into the range for the average amount of time spent per site during a period: month, quarter, etc.

Most of you will not notice anything different. Some of you may need some improvement. These other parameters have become more important since the state stopped billing responsible parties and we tend to lack feedback from them. Therefore, we have to examine how we are doing our work so that we do quality work before an auditor looks at the same

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



September 2, 1998
StID # 3756

Mr. Kyle Christie
ARCO Products Co.
P.O. Box 5077
Buena Park, CA 90622-5077

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

Re: ARCO Station # 0276, 10600 MacArthur Blvd., Oakland CA 94605

Dear Mr. Christie:

Thank you for the submission of the August 6, 1998 Pinnacle Environmental Solutions monitoring report for wells MW-2 and MW-7 at the above site. EPA Method 8260 (GC/MS) was used to confirm the presence of MTBE in groundwater from the wells which had historically detected the highest concentrations of MTBE using EPA Method 8020. Analysis using this method identified 410 ppb MTBE in MW-2 and ND MTBE in MW-7. This is compared with the August 1997 monitoring event where MTBE was reported at 1400 ppb for MW-2 and 310 ppb for MW-7. In addition, TPHg in MW-2 went from 1400 ppb to <500 ppb and from 9500 ppb to 8200 ppb in MW-7. Based on these results, it appears that TPHg concentrations have stabilized and that the actual concentration of MTBE is less than that reported using EPA Method 8020.

Upon review of the closure summary for this site, a number of items still need to be resolved. These items are a result of the Water Board developing policies and the "complex" nature of this site. I would like to mention the following items for discussion and comment:

- The closure of sites with residual MTBE is part of a developing policy of the Water Board. Similar considerations and requirements as applicable to residual TPH and benzene cases must be met prior to closing these sites. A stable or shrinking plume must be shown to exist. Groundwater which is considered a drinking water source should not exceed the proposed MCL for MTBE (yet to be determined). Specific conditions would allow closure of sites with higher MTBE levels if the likelihood of future water use is remote. The likelihood for water use is determined by the local water purveyor and the Water Board.
- The Water Board's policy for residual chlorinated solvent is similar to that for MTBE. Their policy has much more history and is more developed than that for MTBE. Typically those sites which have potential potable water must meet MCL cleanup requirements. Those where groundwater has a low likelihood for drinking water use must perform long term monitoring prior to requesting site closure. A human health risk assessment may also be required.
- Because ARCO and Foothill Square Shopping Center (Drake Builder's) have decided to perform individual risk assessments on their sites and have decided not to dwell on the source of the PCE release(s), both sides are responsible for their own chlorinated solvent release. Therefore, a risk management plan and long term monitoring will be required for both sites.

Mr. Kyle Christie
StID # 3756
10600 Mac Arthur Blvd., Oakland CA 94605
September 2, 1998
Page 2.

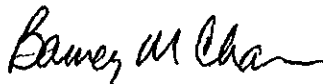
Even under these circumstances, the petroleum fuel release can and should be evaluated separately from the solvent release. If conditions for a "low risk" soil and groundwater case are met, the petroleum LOP (Local Oversight Program) case should be closed. On-going, long term monitoring for chlorinated solvents could be handled under a different case.

The risk management plan requested should include requirements based upon the presence of all residual chemicals at the site. Enclosed please find a copy of a typical risk management plan to be used as guidance. Please incorporate those items relevant for this site.

Please comment on these observations and let me know if your understanding of the site differs from mind. I would welcome any other recommendations you may have.

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

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

Enclosure (Mr. Christie)

C: B. Chan, files

Mr. G. Messerotes, EMCON, 1921 Ringwood Ave., San Jose, CA 95131-1721

Stat10600

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

August 19, 1998

StID # 838

RO 1085

Mr. Phil Briggs
Chevron Products
P.O. Box 6004
San Ramon, CA 94583

**Re: Request for Technical Information for former Chevron No. 9-4340,
2681 Fruitvale Ave., Oakland CA 94601**

Dear Mr. Briggs:

Our office is concluding our review of the above referenced site, preparing our site closure report for the Water Board's final review. During our office's review of the site history it appears that we are missing one significant report, the IT Envirosience report for the January 1982 installation of five monitoring wells. In February 1989 when Ensco Environmental Services came out to abandon these wells only three of the wells were found and properly abandoned. Therefore, two wells still exist at this site. In addition, one of the five wells reportedly exhibited free product at one time.

Although environmental conditions are not affected by this situation, the information regarding the location of the monitoring wells is important to include in the transmittal letter for the site. This information is put into the City of Oakland's permit tracking system and would warn future land users about the potential of encountering monitoring wells.

Please provide a copy of the referenced monitoring well installation report and any other reports regarding their monitoring or destruction. Your immediate attention to this matter will expedite site closure.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mwrrp2681

ARCO Products Company

4 Centerpointe Drive
La Palma, California 90623-1066

Mailing Address: Box 5077
Buena Park, California 90622-5077



ENVIRONMENTAL
PROTECTION

August 14, 1998
30 AUG 20 AM 4: 53

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94052-6577

Re: ARCO facility # 276, 10600 MacArthur Blvd. Oakland, CA.

Dear Mr. Chan:

Pinnacle Environmental Solutions (Pinnacle) recently sent you a letter, dated August 6, 1998, which presented recent TPHg and BETX data for wells MW-2 and MW-7. MTBE results, by EPA Method #8260, was also provided in the letter. These analyses were requested by you in your June 15, 1998 letter to me.

In your June 15, 1998 letter, you also requested that ARCO submit a Risk Management Plan associated with the perchloroethylene (PCE) issue at the neighboring property. Please provide me with an outline of what information needs to be included in the Risk Management Plan. This will allow ARCO to provide you with a plan which meets your requirements.

In our telephone conversation last June, I agreed that ARCO would not abandon the ARCO on-site monitoring wells and that some of the wells could be used for the monitoring of the PCE plume.

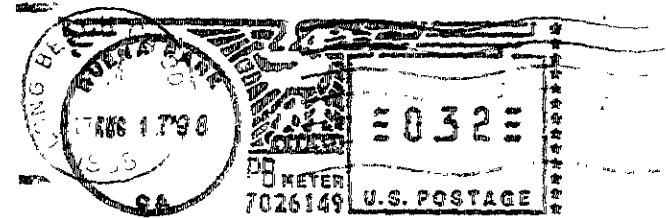
Please call me at 714-670-5303 if you have any questions.

Sincerely,

Kyle Christie



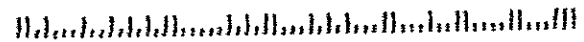
ARCO Products Company
Division of AtlanticRichfieldCompany
Post Office Box 5078
Buena Park, California 90622-5078
Remediation # LR2-172



MR. BARNEY CHAN
ALAMEDA CO. HEALTH CARE SERVICES
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA. 94052-6577

APC-8253
(7-97)

94052/6577



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

June 15, 1998
StID # 3756

Mr. Kyle Christie
ARCO Products Co.
P.O. Box 5077
Buena Park, CA 90622-5077

**Re: ARCO Station # 0276, 10600 Mac Arthur Blvd., Oakland CA 94605
Evaluation for Site Closure**

Dear Mr. Christie:

Our office has reviewed the historical data for the above site with the intent of compiling a site and closure summary. During this time, we have received recommendations from the Regional Water Quality Control Board regarding the need to analyze groundwater for oxygenates and additives at gasoline leak sites.

You are likely aware of this May 15, 1998 memo, since your name appears on the mailing list. Because of the presence of MTBE in significant concentration in monitoring wells MW-2 and MW-7 and the need to confirm these levels prior to site closure, you are requested to sample these two wells and run the analysis for MTBE by EPA Method 8260. Please also analyze these two wells for TPHg and BTEX as the concentrations of these compounds have historically been highest in these two wells.

In regards to the perchloroethylene (perc) issue, it is anticipated that ARCO will need to submit a Risk Management Plan to address any future exposure to residual chlorinated solvents and petroleum hydrocarbons in groundwater. Results of Foothill Square's off-site investigation indicate that the perc plume does not extend very far beyond the property boundary. Prior to closure of the ARCO site, it will be determined whether any of ARCO's wells need to be included in Foothill Square's Risk Management monitoring plan. Please perform the requested monitoring as soon as possible. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. G. Messerotes, EMCON, 1921 Ringwood Ave., San Jose, CA,
95131-1721

2mon10600

TRANSMIT REPORT

1998.06-15 17:02
 E10 337 9335
 ALAMEDA CO EHS HAZ-OPS

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
701	4084379526	06-15 17:01	00' 44	01/01	OK		

7499402045

ALAMEDA COUNTY
 HEALTH CARE SERVICES

AGENCY
 DAVID J. KEARS, Agency Director



Date corrected

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

To <i>G. Messerotes</i>	From <i>B. CHAN</i>
Co. <i>EMCON</i>	Co. <i>ACEIT</i>
Dept.	Phone # <i>510-567-6765</i>
Fax # <i>408-437-9526</i>	Fax #

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

June 15, 1998
 STID # 3756

Mr. Kyle Christie
 ARCO Products Co.
 P.O. Box 5077
 Buena Park, CA 90622-5077

Re: ARCO Station # 0276, 10600 Mac Arthur Blvd., Oakland CA 94605
 Evaluation for Site Closure

Dear Mr. Christie:

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You are likely aware of this May 15, 1998 memo, since your name appears on the mailing list. Because of the presence of MTBE in significant concentration in monitoring wells MW-2 and MW-7 and the need to confirm these levels prior to site closure, you are requested to sample these two wells and run the analysis for MTBE by EPA Method 8260. Please also analyze these two wells for TPHg and BTEX as the concentrations of these compounds have historically been highest in these two wells.

In regards to the perchloroethylene (perc) issue, it is anticipated that ARCO will need to submit a Risk Management Plan to address any future exposure to residual chlorinated solvents and petroleum hydrocarbons in groundwater. Results of Foothill Square's off-site investigation indicate that the perc plume does not extend very far beyond the property boundary. Prior to closure of the ARCO site, it will be determined whether any of ARCO's wells need to be included in Foothill Square's Risk Management monitoring plan. Please perform the requested

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

December 17, 1997
StID # 3756

Mr. Kyle Christie
ARCO Products Co.
P.O. Box 5077
Buena Park, CA 90622-5077

**Re: ARCO Station # 0276, 10600 Mac Arthur Blvd., Oakland CA 94605
Evaluation for Site Closure**

Dear Mr. Christie:

As you are aware, our office has been provided the November 5, 1997 summary report by EMCON detailing subsurface investigations which have occurred at the above referenced site. This information will expedite the County's case closure summary, however, specific details regarding the site must still be extracted from previous reports. During this time while our office is working on the site and closure summary for the site, no further groundwater monitoring is ~~be~~ required.

It is anticipated that the site summary and closure review will occur in January 1998. Pending no need for further information and internal office approval, the closure will then be sent to the Water Board for their sign-off.

Thank you for your cooperation with this project. Please contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

c: B. Chan, files

Mr. G. Messerotes, EMCON, 1921 Ringwood Ave., San Jose, CA
95131-1721

Mr. G. VanderVeen, EMCON, 1433 N. Market Blvd., Sacramento, CA
95834-1943

mon-10600

GARRISON LAW CORPORATION
ATTORNEYS AND COUNSELORS AT LAW

REFER TO FILE
Gilcrease

August 16, 1995

RO 831
CL

Via facsimile 213/486-0930
and first class mail

Beth S. Dorris, Esq.
ARCO Legal
P.O. Box 2570
Los Angeles, CA 90051-0570

Re: Foothill Square Shopping Center
10600 MacArthur Boulevard, Oakland, California
ARCO Station No. 276

Dear Ms. Dorris:

I left a detailed message with your office this morning asking for a response to our as yet unanswered July 10, 1995 request for well sampling on ARCO's site.

As a result of the pre-enforcement review panel before the Regional Water Quality Control Board (RWQCB) in March 1995, my client has been conducting a subsurface investigation of the source, including the installation of monitoring wells in the deep aquifer.

This is our second request for access to measure the depth to groundwater in the wells on ARCO's property in order to establish the groundwater gradient. This data is critical to comply with the request of the RWQCB.

The consultant had originally scheduled this work for completion in July, but was unable proceed because access to the site had not been granted. This phase of work has been rescheduled for the week of August 21, 1995. Please contact my office immediately if ARCO intends to restrict or unreasonably delay access to the site so that we can notify the appropriate agencies of your obstruction.

Ms. Dorris
August 16, 1995
Page 2

Thank you for your anticipated cooperation.

Sincerely yours,

GARRISON LAW CORPORATION

A handwritten signature in black ink, appearing to read "G. S. Garrison", with a long horizontal flourish extending to the right.

G. S. Garrison, REA & CEI
Attorney at Law

cc: client
Barney Chan, ACWD
John Kaiser, RWQCB

GARRISON LAW CORPORATION
ATTORNEYS AND COUNSELORS AT LAW

REFER TO FILE
Gilcrease

August 17, 1995

Via facsimile 213/486-0930
and first class mail

RO831
C

Beth S. Dorris, Esq.
ARCO Legal
P.O. Box 2570
Los Angeles, CA 90051-0570

Re: Foothill Square Shopping Center 10600 MacArthur
ARCO Station No. 276

Dear Ms. Dorris:

This letter is to memorialize my telephone call to you this afternoon wherein you denied access to the wells at the above-referenced site.

You stated that you had previously denied access and had informed my office by correspondence, but you could not recall when or if it had been sent. In the alternative, you stated that you might have denied access via a voice mail message, but you were not sure. Regardless, you are denying access to the site. I asked your reasoning for denial of access and you stated that your consultant said we did not need the data.

I disagreed and asked you to reconsider your position. In order for groundwater data to be accurate, surveyed measurements must be taken at the same time to account for the seasonal anomalies. To mix different data from different times would skew gradient results and corrupt any ultimate conclusions.

Please respond in writing.

Sincerely yours,

GARRISON LAW CORPORATION



G. S. Garrison, REA & CEI
Attorney at Law

cc: client
Barney Chan, ACWD
John Kaiser, RWQCB

ARCO Products Company
Environmental Engineering
2155 South Bascom Avenue, Suite 202
Campbell, California 95008



Date: June 30, 1995

Re: ARCO Station # 10600 MacArthur Boulevard • Oakland, CA
Fourth Quarter 1994 Groundwater Monitoring Report

" 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:

A handwritten signature in black ink that reads "Michael R. Whelan". The signature is written in a cursive style.

Michael R. Whelan
Environmental Engineer

Alameda County Department of Environmental Health
 Hazardous Materials Division
 80 Swan Way, Rm. 200, Oakland, CA 94621
 Ph: 510-271-4320 FAX: 510-568-3706

16 copies

Meeting Attendees

Subject 3754, 10600 & 10700 Mac Arthur Blvd, Oakland.

Date 3/28/95

Location Alameda County Health Dept.

	<u>Name</u>	<u>Affiliation</u>	<u>Phone # / FAX #</u>
1	<u>Sum Arigata</u>	<u>RWQCB #2</u>	<u>510 286 0434 / 510 286 138</u>
2	<u>John KAISER</u>	<u>RWQCB 2 / Toxics Cleanup</u>	<u>510-286-0807 / 510-286-1380</u>
3	<u>GILL JENSEN</u>	<u>ALAMEDA CO. DA</u>	<u>510 569-9251 / 510 569-0</u>
4	<u>Tom Reacoch</u>	<u>Alco - DEP</u>	<u>567-6782</u>
5	<u>HUGH K. PHARES, III</u>	<u>FOOTHILL SQUARE SHOPPING CENTER</u>	<u>562-9500 / 562-9505</u>
6	<u>JOHN C YOUNG</u>	<u>EMCON/ARCO</u>	<u>408/453-7000 / 408 437-95</u>
7	<u>Mike WHELAN</u>	<u>ARCO</u>	<u>408/377-8697 / 408/377-8</u>
8	<u>Beth Dorris</u>	<u>ARCO</u>	<u>213 486 2435 / 213 486 09</u>
9	<u>ANDREW CLARK-CLOUGH</u>	<u>CITY OF OAKLAND</u>	<u>238-6361 / 238-7288</u>
10	<u>Richard Gilcrease</u>	<u>Drake Builders</u>	<u>510 524-1177 / 527-705</u>
11	<u>Charles Conway</u>	<u>Augeas Corp</u>	<u>915 726-7700 / 726-12</u>
12	<u>Rasanna Garrison</u>	<u>Augeas Corporation</u>	<u>726-7700 / 726-121</u>
13	<u>Frank Ross</u>	<u>GeoResearch</u>	<u>785-1111 / 785-1191</u>
14	<u>G.S. Garrison</u>	<u>Gilcrease</u>	<u>415 726 1111 / 726 138</u>
15	<u>Gabrielle Tierney</u>	<u>McDonald's Corporation</u>	<u>408 / 922-0990 / 922-0736</u>
16	<u>Scott SEERY</u>	<u>ACEH, LSP</u>	<u>510/567-6783 / 510/337-93</u>
17	<u>Barney Chan</u>	<u>ACEH, LSP</u>	<u>567-6765 / 337-933</u>

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

In Re The Property Known As :
ARCO Station #276
10600 MacArthur Blvd. and
Foothill Shopping Center
10700 Mac Arthur Blvd.
Oakland CA 94605

Proof of Service of
Notice of
Pre-Enforcement
Review Panel

I Barney Chan, do hereby certify
that I served Mr. Michael Wheland, 2155 S. Bascom Ave.,
Suite 220, Campbell CA 95008
with a copy of the attached Notice of Pre-Enforcement Review
Panel on February 15, 1995 by certified
mailer # Z 196 176 771

Dated: 2/15/95

Barney Chan
(signature)

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

In Re The Property Known As :)	Notice of
ARCO Station # 276)	Pre-Enforcement
10600 MacArthur Blvd. and)	Review Panel
Foothill Shopping Center		
10700 MacArthur Blvd.		
Oakland CA 94605		
(insert address of property)		

Notice is hereby given that upon the motion of the Alameda County Hazardous Materials Division, and the San Francisco Bay Regional Water Quality Control Board a **Review Panel** will convene on March 28, 1995 at 9:00 am in the offices of the Alameda County Hazardous Materials Division located at 1131 Harbor Bay Parkway, Room 250, Alameda, CA 94602. This **Review Panel** will convene for the purpose of determining responsible parties as well as appropriate closure, site assessment, clean-up and mitigation of contamination at the above location.

The Alameda County Hazardous Materials Division, and the San Francisco Bay Regional Water Quality Control Board have named and served notice of this **Review Panel** on the following persons or entities as having proposed responsibility for closure, site assessment, clean-up and mitigation of contamination at the above location, and by this notice all parties named herein are informed of the right to appear and show cause, if any they have, for the exclusion or inclusion of any of the parties served herein from said responsibility or obligations:

1. Mr. Michael Whelan, ARCO Products Co.,
(name)
2155 S. Bascom Ave., Suite 202, Campbell CA 95008
(address)
2. Mr. Richard Gilcrease, Draker Builders,
(name)
5201 Sacramento Ave., Richmond, CA 94804
(address)

Dated: 2/15/95


(signature)

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

BC

Z 196 176 771



Receipt for Certified Mail

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

PS Form 3800, March 1993

Sent to Michael Whelan	
Street and No. 2155 S. Bascom Ave, Ste 220	
P.O., State and ZIP Code Campbell CA 95008	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J KEARS, Agency Director

RAFAT A SHAHID, ASST AGENCY DIRECTOR

February 15, 1995
StID # 3756

DEPARTMENT OF ENVIRONMENTAL HEALTH

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

ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIV.
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

**Re: Request for Copies of Technical Reports and Comment on Oct.
1994 Work Plan for Additional Subsurface Investigation at
10600 and 10700 Mac Arthur Blvd., Oakland CA 94605**

Dear Mr. Whelan:

Thank you for providing our office with an update of the investigation at the above ARCO station. It does appear that our office is lacking a number of technical reports appearing on the list of reports given to me. I have noted these missing documents by placing a check next to the document and would appreciate receiving copies of these documents as soon as possible.

A degree of my concerns were addressed during our meeting. These concerns concerned the extent of the petroleum investigation on the Foothill Shopping Square property. Apparently, the bulk of this work is documented in the missing reports I've requested. Certain questions regarding the amounts of gasoline having been removed from offsite and the shallow groundwater gradient should be clarified in the missing reports.

In regards to your October 1994 Work Plan for additional off-site remediation, our office approves of the plan to supplement the existing offsite VES system on the Foothill Shopping Square property with larger diameter vapor wells and sparging wells. We do understand that there may be some opposition to this action from the owners of the Foothill Shopping Square. It is hopeful that the upcoming Pre-enforcement hearing at the County's office will clarify this situation.

At the same time, the responsibility for the chlorinated solvent contamination will be determined at this hearing. You should be prepared at that time to detail ARCO's plan for further site characterization and/or remediation. A revised timetable for future work may be required.

Please provide the requested technical reports **within 30 days or by March 17, 1995**. You may contact me at (510) 567-6765 if you have any questions.

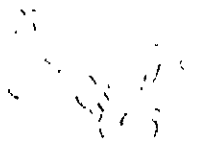
Mr. Michael Whelan
StID # 3576
10600/10700 MacArthur Blvd.
February 15, 1995
Page 2.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office
S. Arigala, RWQCB
J. Young, 1921 Ringwood Avenue, San Jose, CA 95131-1721
Mr. R. Gilcrease, Drake Builders, 5201 Sacramento Ave.,
Richmond CA 94804
E. Howell, files
Arco276


A U G E A S

December 19, 1994

Mr. Barney Chan
Alameda County Health Care Services
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

VIA FACSIMILE TRANSMISSION AND CERTIFIED MAIL

**RE: Foothill Square Shopping Center, 10700 MacArthur Blvd., Oakland
ARCO Service Station #276, 10600 MacArthur Boulevard, Oakland**

Dear Mr. Chan:

This letter provides recently discovered information regarding the historical use of the property known as 10600 MacArthur Boulevard. Presently, the site is used as ARCO Station #276, and is adjacent to the Foothill Square Shopping Center. This historical information is critical for an accurate review by Alameda County Health Care Services (ACHCS) of the workplan submitted December 1994 by ARCO for the installation of a soil vapor remediation system on Foothill Square Shopping Center.

ARCO has stated to the ACHCS that the perchloroethylene discovered in wells at or near its site was likely released from the Young's Dry Cleaners located in the Foothill Square Shopping Center, which ARCO asserted was closest known dry cleaning facility. ARCO's reports led to the ACHCS order to Foothill Square Shopping Center to conduct a subsurface investigation of the Young's Cleaners site.

To make the investigation as efficient and productive as possible, Augeas Corporation began with a complete "Environmental Site Assessment" (ESA) which was intended to locate and identify other possible sources of the perchloroethylene (PCE) in ARCO's monitoring wells. Based on information obtained from historical documents reviewed by

Augeas Corporation, it appears probable that the contamination at the ARCO site was in fact a result of an unauthorized release from a dry cleaners.

Augeas Corporation believes, however, that ARCO did not identify the dry cleaning operation closest to this site. Augeas Corporation's ESA revealed that a dry cleaners actually operated at the ARCO site itself for many years. This operation was called Payless Cleaners, which can be identified by both telephone book listings and aerial photographs. We believe that Payless Cleaners operated on the ARCO property between the years 1961 and 1967. The location of Payless Cleaners is shown on the 1959 aerial photograph attached to this letter. In 1968, ARCO demolished all the former site buildings and apparently constructed the present service station.

Based on the dates of operation of the Payless Dry Cleaners, and its location in relation to the previously detected PCB contamination, the Payless Cleaners operation is a far more likely source of the PCB at the ARCO site, rather than the Young's Cleaners operation which is located approximately 300 feet away from the ARCO site.

To date, ARCO has not yet defined the extent of PCB contamination associated with the former dry cleaner operations on their property. However, ARCO has indicated that your office has approved the aforementioned workplan for a soil vapor extraction system (SVE) to be installed on the Foothill Square property. (See attached document.)

The presence of multiple chemicals in the contaminant plume make it difficult to operate a thermal or catalytic oxidation unit to treat extracted vapors. It appears that the SVE system has not been designed for treatment of chlorinated hydrocarbons, such as PCB. Additionally, it does not appear that the system has been permitted for discharge of chlorinated hydrocarbons to the atmosphere. Oxidized products resulting from the passage of chlorinated hydrocarbons through this system could release airborne contaminants, such as hydrochloric acid, which could be deleterious to the subject site, Foothill Square property and its adjacent homes.

The site history, contamination types and levels and current land uses indicate excavation as the most efficient remediation method. Additionally, ARCO's proposed soil vapor extraction system disrupts and destroys planned and current land uses, including the fact that the system would have to remain in place for many years in a part of the property that is planned for major redevelopment by the adjacent owners. Finally, soil vapor extraction

system would leave residual, albeit low concentrations of contamination in place, whereas excavation would provide adjacent property owners their goal of achieving a clean (nondetectable contaminant concentrations) and closed site.

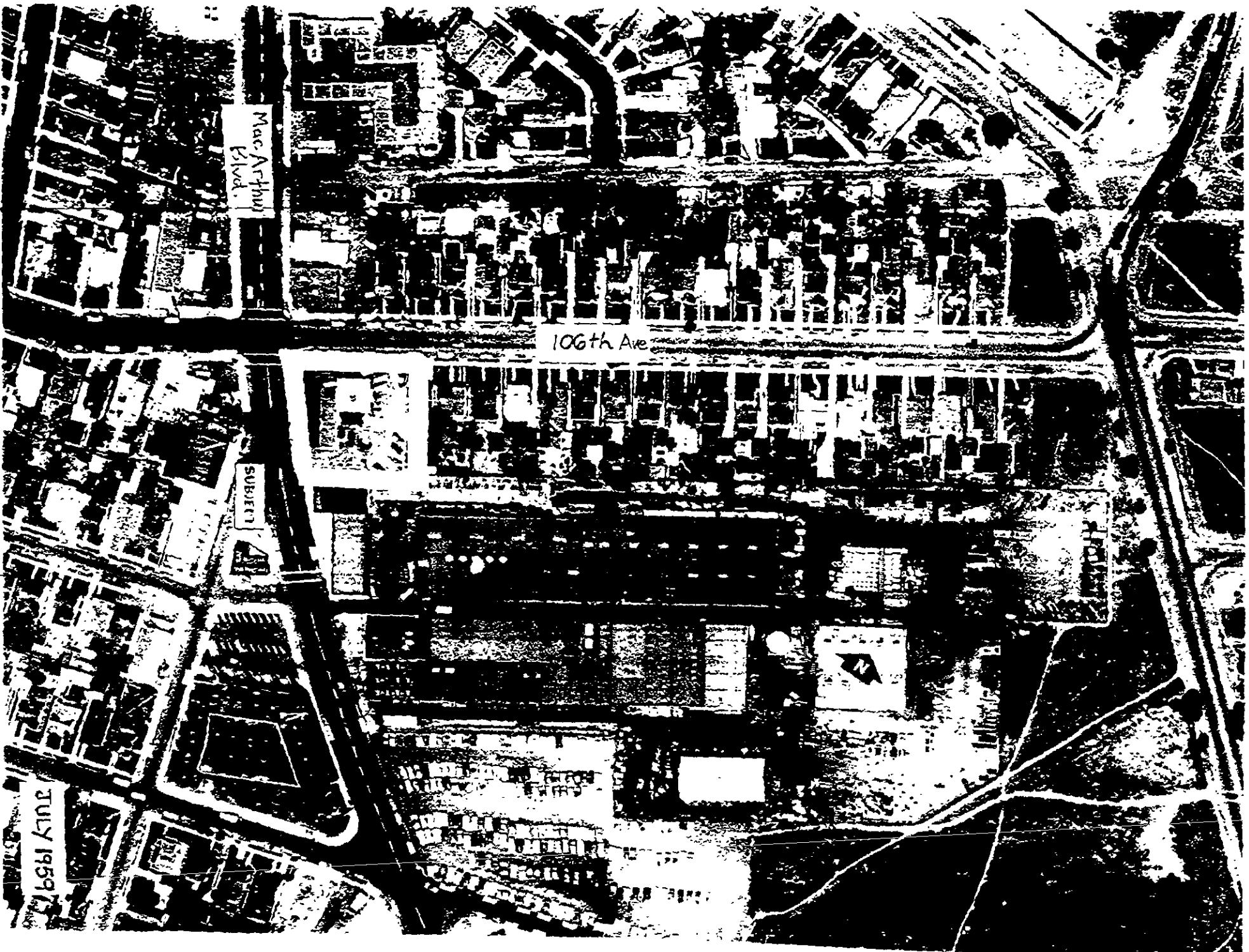
Please contact me at Augeas Corporation, (415) 726 7700 to discuss this matter further.

Sincerely,



Fred Moss, P.E.
Augeas Corporation





MacArthur Blvd.

106th Ave

SUBJECT

JULY 1959

12/19/94 16:32

R 415 726 1217

RUGER'S CORP.

P-04

20831
CL



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

April 19, 1993
0415BCHA.276
61026.02

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94624

Subject: Site Status Update for ARCO Station 276, 10600 MacArthur Boulevard,
Oakland, California. 94605

Dear Mr. Chan:

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

March 1993 Activities

- Performed monthly groundwater monitoring at the site. The interim onsite vapor extraction system (VES) continued to be non-operational due to an increase in water levels in vapor extraction wells from recent heavy rains. This rise in water levels resulted in a loss of up to seven (7) feet of screened intervals in the vapor extraction wells.
- Performed monthly inspections for product in wells MW-2 and MW-7.
- Initiated preparation of addendum to work plan outlining additional offsite work to be performed at the site.

Site Status Update
ARCO Station 276, Oakland, California

April 19, 1993
61026.02

Work Anticipated for April 1993

- Continue preparation of addendum to work plan outlining additional offsite work to be performed at the site.
- Continue monthly monitoring of wells at the site, including monthly monitoring of water levels in vapor extraction wells. When water levels in vapor extraction wells have dropped significantly below screened intervals in the wells to allow for exposed screen in the impacted soils, the system will be re-started.

If you have any questions or comments regarding this letter, please call us at (408) 264-7723.

Sincerely,
RESNA Industries Inc.



Joel Coffman
Project Manager

cc: Mr. Michael Whelan, ARCO Products Company
Mark Thomson, Alameda County District Attorney's Office
Richard Hiatt, Regional Water Quality Control Board

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

3758

February 23, 1993
0217BCHA.276
61026.02

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94624

Subject: Site Status Update for ARCO Station 276, 10600 MacArthur Boulevard,
Oakland, California.

Dear Mr. Chan:

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

January 1993 Activities

- Performed groundwater monitoring and monitoring of vapor extraction system at the site.
- Initiated attempts to gain offsite access from adjacent property owner for installation of additional vapor extraction wells to be used in the existing vapor extraction system (VES) at the site.
- Submitted report (due to Regulatory Agencies on February 1, 1993) describing results of onsite and offsite well installations, piping of onsite wells to vapor extraction system and vapor extraction test of the system.
- Excavated and repaired offsite monitoring well MW-6, which was recently paved over by offsite property owner's paving contractors.

Site Status Update
ARCO Station 276, Oakland, California

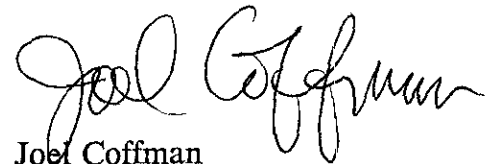
February 23, 1993
61026.02

Work Anticipated for February 1993

- Continue monthly groundwater monitoring and monitoring and maintenance of operating vapor extraction system at the site.
- Upon gaining offsite property access, prepare and send out bid package for trenching and piping of additional offsite vapor extraction wells into the existing vapor extraction system.

If you have any questions or comments regarding this letter, please call us at (408) 264-7723.

Sincerely,
RESNA Industries Inc.



Joel Coffman
Project Geologist

cc: Mr. Michael Whelan, ARCO Products Company
Mark Thomson, Alameda County District Attorney's Office
Richard Hiatt, Regional Water Quality Control Board

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

January 29, 1993
0129BCHA.276
61026.02

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94624

Subject: Site Status Update for ARCO Station 276, 10600 MacArthur Boulevard,
Oakland, California.

Dear Mr. Chan:

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

December 1992 Activities

- Performed groundwater monitoring and monitoring of vapor extraction system at the site.
- Continued preparation of draft report containing results of onsite and offsite well installations, piping of onsite vapor extraction wells into vapor extraction system and vapor extraction test of existing system using new onsite wells. Report due in final form on February 1, 1993.

Work Anticipated for January 1993

- Continue monthly groundwater monitoring and monitoring and maintenance of operating vapor extraction system at the site.

Site Status Update
ARCO Station 276, Oakland, California

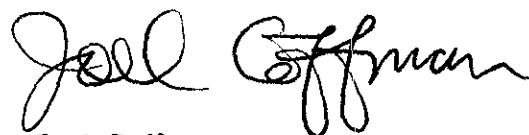
January 29, 1993
61026.02

Work Anticipated for January 1993 (Cont.)

- Initiate attempts to gain offsite access from adjacent property owner for installation of additional vapor extraction wells to be used in the existing vapor extraction system (VES) at the site.
- Submit draft report describing results of onsite and offsite well installations, piping of onsite wells to vapor extraction system and vapor extraction test of the system. Report due to Regulatory Agencies on February 1, 1993.
- Excavate and repair offsite monitoring well MW-6, which was recently paved over by offsite property owner's paving contractors.

If you have any questions or comments regarding this letter, please call us at (408) 264-7723.

Sincerely,
RESNA Industries Inc.



Joel Coffman
Project Geologist

cc: Mr. Michael Whelan, ARCO Products Company
Mark Thomson, Alameda County District Attorney's Office
Richard Hiatt, Regional Water Quality Control Board

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

December 11, 1992
1211BCHA.276
61026.02

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94624

Subject: Site Status Update for ARCO Station 276, 10600 MacArthur Boulevard,
Oakland, California.

Dear Mr. Chan:

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

November 1992 Activities

- Performed groundwater monitoring.
- Continued preparation of draft report containing onsite and offsite well installations, piping of onsite wells to vapor extraction system and vapor extraction test. Report due in final form on February 1, 1993.

Site Status Update
ARCO Station 276, Oakland, California

December 11, 1992
61026.02

Work Anticipated for December 1992

- Continue monthly groundwater monitoring.
- Continue preparation of draft report containing onsite and offsite well installations, piping of onsite wells to vapor extraction system and vapor extraction test. Report due in final form on February 1, 1993.
- Initiate attempts to gain offsite access from adjacent property owner for installation of additional vapor extraction wells to be used in the existing VES at the site.

If you have any questions or comments regarding this letter, please call us at (408) 264-7723.

Sincerely,
RESNA Industries Inc.



Joel Coffman
Project Geologist

cc: Mr. Michael Whelan, ARCO Products Company
Mark Thomson, Alameda County District Attorney's Office
Richard Hiatt, Regional Water Quality Control Board



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

November 6, 1992
1105BCHA.276
61026.02

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94624

Subject: Site Status Update for ARCO Station 276, 10600 MacArthur Boulevard,
Oakland, California.

Dear Mr. Chan:

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

October 1992 Activities

- Performed groundwater monitoring.
- Initiated preparation of report to include onsite and offsite well installations, piping of onsite wells to vapor extraction system and vapor extraction test.



Site Status Update
ARCO Station 276, Oakland, California

November 6, 1992
61026.02

Work Anticipated for November 1992

- o Continue monthly groundwater monitoring.
- o Continue preparation of report including onsite and offsite well installation, piping wells to existing vapor extraction system, and performance of vapor extraction test.

If you have any questions or comments regarding this letter, please call us at (408) 264-7723.

Sincerely,
RESNA Industries Inc.

A handwritten signature in black ink that reads "Joel Coffman". The signature is written in a cursive style and is located below the typed name.

Joel Coffman
Project Geologist

cc: Mr. Michael Whelan, ARCO Products Company
Mark Thomson, Alameda County District Attorney's Office
Richard Hiatt, Regional Water Quality Control Board

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

3756

October 16, 1992
1016BCHA.276
61026.02

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94624

Subject: Site Status Update for ARCO Station 276, 10600 MacArthur Boulevard,
Oakland, California.

Dear Mr. Chan:

This letter provides an update on investigation and remedial activities conducted for the above-referenced site. This update covers site activities performed during September 1992, and site activities anticipated for the month of October 1992.

September 1992 Activities

- o Performed groundwater monitoring.
- o Submitted Final Second Quarter Groundwater Monitoring Report to ARCO and regulators.
- o Performed vapor extraction test to evaluate efficiency of onsite vapor extraction system at site.

Site Status Update
ARCO Station 276, Oakland, California

October 16, 1992
61026.02

Work Anticipated for October 1992

- o Initiate preparation of report to include onsite and offsite well installations, piping of onsite wells to vapor extraction system and vapor extraction test.
- o Continue monthly groundwater monitoring.

If you have any questions or comments regarding this letter, please call us at (408) 264-7723.

Sincerely,
RESNA Industries Inc.



Joel Coffman
Project Geologist

cc: Mr. Michael Whelan, ARCO Products Company
Mark Thomson, Alameda County District Attorney's Office
Richard Hiatt, Regional Water Quality Control Board

Eva

DATE: 5/18/92
TO : Local Oversight Program
FROM: Paul Smith
SUBJ: Transfer of Eligible Oversight Case

Site name: Arco # 276

Address: 10600 MacArthur Blvd city Oakland zip 94610

Closure plan attached? Y N DepRef remaining \$ 0

DepRef Project # _____ STID #(if any) 3756

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

Leak Report filed? Y N Date of Discovery Oct 7, 1988

Samples received? Y N Contamination: Gasoline, ~~was~~ Chlorinated solvents

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

Monitoring wells on site 6 Monitoring schedule? Y N

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

Briefly describe the following:

Preliminary Assessment Content of both pet. hyd. & Chlorinated Solvents present free prod.

Remedial Action vapour extraction system

Post Remedial Action Monitoring _____

Enforcement Action _____

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

April 14, 1992
0407PSMI.276
61026.01

Mr. Paul Smith
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94624

Subject: Site Status Update for ARCO Station 276, 10600 MacArthur Boulevard,
Oakland, California.

Dear Mr. Smith:

This letter provides an update on investigation and remedial activities conducted for the above-referenced site. This update covers site activities performed during March 1992, and site activities anticipated for the month of April 1992.

March 1992 Activities

- Reevaluated contractor bids for onsite vapor extraction system (VES).
- Performed quarterly groundwater sampling and monitoring.
- Submitted Fourth Quarter 1991 Quarterly Groundwater Monitoring Report to ARCO and governing regulatory agencies.
- Monthly observation for product accumulation in the Horner EZY Floating Product Skimmer and bailing product from well MW-2.

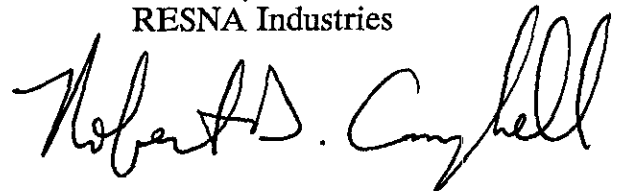
Work Anticipated for April 1992

- Monthly groundwater monitoring will continue.
- Monthly observation and bailing of product accumulation in well MW-2.

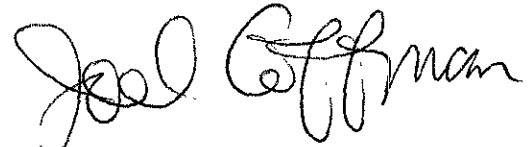
- Submit the Subsurface Investigation and Aquifer Test Report to ARCO and the governing regulatory agencies.
- Submit Addendum Four to Work Plan for Additional Offsite Subsurface Investigation to ARCO and governing regulatory agencies.
- Submit offsite access letter request to adjacent property owners to conduct a Supplemental Offsite Subsurface Investigation.
- Submit and receive well permit to drill and install onsite vapor extraction wells (if access is granted).
- Prepare and submit to Alameda County Health Care Services Agency (ACHCSA) a revised Site Specific Health and Safety Plan and a Contingency Plan for the proposed VES installation.
- Install the onsite vapor extraction wells and piping.

If you have any questions or comments regarding this letter, please call us at (408) 264-7723.

Sincerely,
RESNA Industries



Robert D. Campbell
Staff Geologist



Joel Coffman
Project Geologist

cc: Mr. Michael Whelan, ARCO Products Company

DATE: 3-5-92

TO : Local Oversight Program

FROM: Kevin

SUBJ: Transfer of Eligible Oversight Case

Site name: Arco Service Station Via Foothill Square Ctr.

Address: 10600 MacArthur Blvd. city Oakland zip 94605

Closure plan attached? Y N DepRef remaining \$ -18.00

DepRef. Project #: 290 STID #(if any) 3756

Number of Tanks: 4 removed? Y N Date of removal 10-7-88

Leak Report filed? Y N Date of Discovery 10-7-88

Samples received? Y N Contamination: Soil, water

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

Monitoring wells on site 5 Monitoring schedule? Y N 1/4

Briefly describe the following:

Preliminary Assessment Contamination exist and plumes extend offsite

Remedial Action Vapor venting systems is proposed.

Post Remedial Action Monitoring well sampling is performed quarterly.

Enforcement Action ongoing

Comments: it appears the investigation into the area revealed onsite and offsite contamination. Some groundwater is contaminated offsite. Floating product has been found in (M.W.#2) existing wells. A vapor extraction systems has been placed in operation offsite. Currently ARCO is waiting approval for plans to add 9 more wells to the vapor extracting system. There is also a proposal to investigate ground upstream of the station to determine if some of the contamination originated from a plant which operated in the 1960's.

DATE:

TO : Local Oversight Program

FROM:

SUBJ: Transfer of Eligible Oversight Case

Site name: Arco # 2107

Address: 3310 Park Blvd city Oak zip 94610

Closure plan attached? Y N DepRef remaining \$ _____

DepRef Project # _____ STID #(if any) 3890

Number of Tanks: 1 removed? Y N Date of removal _____

Leak Report filed? Y N Date of Discovery 5/10/90

Samples received? Y N Contamination: soil, water

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

Monitoring wells on site yes Monitoring schedule? Y N

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

Briefly describe the following:

Preliminary Assessment _____

Remedial Action Propose gw extraction in 1 well and 2 VES

Post Remedial Action Monitoring _____

Enforcement Action _____

Soil contain: 90ppm TPH-g ; 110ppm TPH-d ; 130ppm ~~TH~~ TOG

10/10/89

ZACCOR CORP. @
1127 LINCOLN AVE.
ALAMEDA, CA

7

A protocol combining the installation of monitoring wells with both soil borings and dry wells could be implemented, reducing the costs of operation. Such a protocol would involve the use of a certified mobile laboratory to give immediate soil analysis during drilling.

With an average concentration of 1,000 ppm TPH as gasoline, the stockpiled soils may be aerated at a rate of 30 cubic yards per day, with approval by the BAAQMD (Bay Area Air Quality Management District) in conjunction with regulation 8, rule 40.

WATER RESOURCES CONTROL BOARD
DIVISION OF WATER QUALITY - UST CLEANUP PROGRAM
SITE SPECIFIC QUARTERLY REPORT
01/01/92 THROUGH 03/31/92

AGENCY # : 10000 SOURCE OF FUNDS: SUBSTANCE:
StID : 3756
SITE NAME: Arco Facility #00276 DATE REPORTED :
ADDRESS : 10600 Macarthur Blvd. DATE CONFIRMED:
CITY/ZIP : Oakland 94605 MULTIPLE RPs :

SITE STATUS

CASE TYPE:	CONTRACT STATUS:	EMERGENCY RESP:
RP SEARCH:		DATE COMPLETED:
PRELIMINARY ASMNT:	DATE UNDERWAY:	DATE COMPLETED:
REM INVESTIGATION:	DATE UNDERWAY:	DATE COMPLETED:
REMEDIAL ACTION:	DATE UNDERWAY:	DATE COMPLETED:
POST REMED ACT MON:	DATE UNDERWAY:	DATE COMPLETED:
ENFORCEMENT ACTION TYPE:	DATE ENFORCEMENT ACTION TAKEN:	
LUFT FIELD MANUAL CONSID:		
CASE CLOSED:	DATE CASE CLOSED:	
DATE EXCAVATION STARTED :	REMEDIAL ACTIONS TAKEN:	

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME:
COMPANY NAME:
ADDRESS:
CITY/STATE:



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

February 14, 1992
0211PSMI.276
61026.01

Mr. Paul Smith
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94624

Subject: Site Status Update for ARCO Station 276, 10600 MacArthur Boulevard,
Oakland, California.

Dear Mr. Smith:

This letter provides an update on investigation and remedial activities conducted for the above-referenced site. This update covers site activities performed during January 1992, and site activities anticipated for the month of February 1992.

Status of Previous Months Activities:

- January 19, 1992: Monthly groundwater monitoring was performed.
- January 29, 1992: Floating product was removed from skimmer in groundwater monitoring well MW-2.
- January 29, 1992: Sent a letter of intent to proceed with Addendum One to Work Plan (RESNA, June 27, 1991).

Anticipated Work to be performed in the Next Month:

- o Monthly groundwater monitoring will continue.
- o Monthly removal of floating product from well MW-2 will continue.

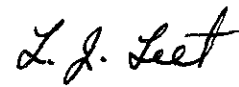
Site Status Update
ARCO Station No. 276, Oakland, California

February 14, 1992
61026.01

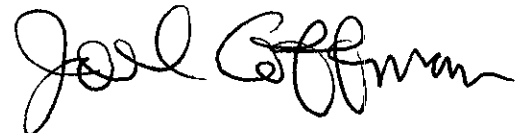
- o The Fourth Quarter 1991 Quarterly Groundwater Monitoring Report will be submitted to the Regulatory Agencies.
- o Submit a draft report on results of Additional Subsurface Environmental Investigation and Pump Test to ARCO.
- o Submit a Remedial Action Plan for onsite groundwater remediation to the Regulatory Agencies.
- o Reevaluate bid package proposal to install the onsite vapor extraction wells and piping.

If you have any questions or comments regarding this letter, please call us at (408) 264-7723.

Sincerely,
RESNA



Lou Leet
Staff Geologist



Joel Coffman
Project Geologist

cc: Chuck Carmel, ARCO Products Company

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

January 10, 1992
0106PSMI.276
61026.01

Mr. Paul Smith
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94624

Subject: Site Status Update for ARCO Station 276, 10600 MacArthur Boulevard,
Oakland, California.

Dear Mr. Smith:

This letter provides an update on investigation and remedial activities conducted for the above-referenced site. This update covers site activities performed during December 1991, and site activities anticipated for the month of January 1992.

Status of Previous Months Activities:

December 3, 1991: Submitted third quarter groundwater monitoring report.

December 24, 1991: Gauged site wells and installed a floating product skimmer in Monitoring well MW-2.

Anticipated Work to be performed in the Next Month:

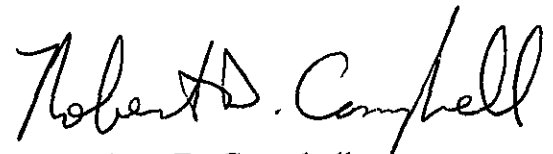
- o Groundwater monitoring will continue.
- o Submit a draft report on results of additional subsurface environmental investigation and pump test to ARCO.
- o Continue the design/drawing package for the proposed groundwater treatment system.

*Does Mr. Smith
to this
this document?*

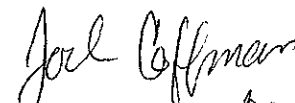
-
- o Submit a Remedial Action Plan for onsite groundwater remediation.
 - o Initiate bid package proposal preparation to install the proposed groundwater-extraction and treatment system.
 - o Install vapor extraction wells upon receiving approval from Alameda County Health Care Services Agency (ACHCSA) of Addendum One to Work Plan (RESNA, June 27, 1991).

If you have any questions or comments regarding this letter, please call us at (408) 264-7723.

Sincerely,
RESNA



Robert D. Campbell
Staff Geologist



Joel Coffman
Project Geologist

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL PACKAGE TRACKING NUMBER

1834789423

1365M

1834789423

RECIPIENT'S COPY

Date: 3/10/92

From (Your Name) Please Print: **Joel Coffman**
 Company: **RESNA**
 Street Address: **2315 ALVARADO EXP**
 City: **SAN JOSE** State: **CA** ZIP Required: **95128**

Your Phone Number (Very Important): **(408) 784-7723**

To (Recipient's Name) Please Print: **Mr. Paul Smith**
 Recipient's Phone Number (Very Important):
 Company: **ACDEH** Department/Floor No:
 Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes): **80 Swan Way, Room 200**
 City: **Oakland, CA** State: **CA** ZIP Required: **94621**

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.): **6002100**

PAYMENT: Bill Sender Bill Recipient's FedEx Acct No Bill 3rd Party FedEx Acct No Bill Credit Card

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11 YOUR PACKAGING
 16 FEDEX LETTER
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 13 FEDEX BOX
 14 FEDEX TUBE

Standard Overnight (Delivery by next business afternoon!)

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30 ECONOMY

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 80 TWO-DAY FREIGHT **

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 10
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 12 HOLIDAY DELIVERY (if offered) (Extra charge)

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Total Total Total

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 PART #137204 FXEM 12/91
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ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

March 4, 1992

Mr. Chuck Carmel
Arco Products Co.
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

**Re: Arco Station # 276, 10600 MacArthur Blvd., Oakland, CA
94605**

Dear Mr. Carmel,

Alameda County Environmental Health Department, Hazardous Materials Division is in receipt of the several reports prepared by Resna Applied Geosystems (Resna) describing the installation of a proposed vapor extraction system (VES). The proposed system includes the installation of eight 4" vapor extraction wells to a depth of 30 feet. The extraction screen interval described is from 10 to 30 feet below ground surface.

The proposal to install an on site VES treatment which will tie in with the existing off site piping system will be approved upon the receipt of the following:

- 1) A Health and Safety (H&S) Plan prepared by the Contractor/Consultant who will install the treatment system. The H&S plan must specify the name of the site safety officer, medical facility (name address and phone number), site security measures and the monitoring and personal protective equipment available on site.
- 2) A Contingency Plan describing measures to be taken in the event of a system failure; such as pipe line leak or other system malfunction.

Last ground water data available to this office collected August 6, 1991 indicated the presence of floating product in mw-2 (analytical testing was not performed), 430 ppb of Total Petroleum Hydrocarbon as gasoline (TPHg) in mw-3, and 520 ppb TPHg and 1,700 ppb tetrachloroethene (TCE) were reported in mw-4.

You are required to submit a Work Plan to this office within 45 days of the receipt of this letter outlining a proposal which will delineate the on and off site extent of (both soil and groundwater) contamination caused by petroleum hydrocarbons and halocarbons.

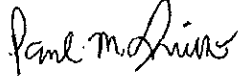
You are also required to submit a proposal for a ground water treatment system which will adequately treat petroleum hydrocarbon and chlorinated solvent problems currently identified at the site.

Mr. Carmel
March 4, 1992
page 2 of 2

You are requested to submit the fourth quarterly monitoring report to this Department for review, as of this date it still has not been received.

If you have any questions please call me at (510) 271-4320.

Sincerely,



Paul M. Smith
Hazardous Materials Specialist

cc:

Kyle Christie, Arco Products Inc.
Joel Coffman, Resna Applied Geosystems
Dave Landry, Pacific Environmental Group, Inc.
Eddy So, SFRWQCB
Charlene Williams, DHS
Mark Thomson, Alameda County District Attorney's Office of
Consumer and Environmental Affairs

PS

UST LEAK Date of Last Current
SITE UPDATE Review/Upd September 6, 1991 Date January 6, 1992

SITE IDENTIFICATION

Name ARCO Service Station 27b Case No. _____
Address 10600 MacArthur Boulevard
Street Number Street
Oakland City 94605 ZIP Code
County Alameda Substance Gasoline
Local Agency Alameda County Health Care Services Agency
Regional Board Regional Water Quality Control Board - San Francisco Bay Area

LEAD STAFF PERSON ACHCSA-Paul Smith

CASE TYPE

Undetermined Soil Only Ground Water Drinking Water

STATUS (Date indicates when case moved into status)

No Action Taken
 Leak Being Confirmed Date 1988
 Preliminary Site Assessment Workplan Submitted Date _____
 Preliminary Site Assessment Underway Date 3/89
 Pollution Characterization Date 8/89
 Remediation Plan Date 7/91
 Remedial Action Underway Date 8/90
 Post Remedial Action Monitoring Date _____
 Case Referred to Regional Board Date _____
 Case Referred to Dept. of Health Services Date _____
 Case Closed Date _____

COMMENTS/MILESTONES:

Vapor Extraction System installed offsite; startup date 8/90. Product removal by bailing from MW-2. USTs and product lines replaced in February 1990; approximately 100 cubic yards of soil removed from site. Performed aquifer pump test in November 1991. Installed a Horner EZY floating product skimmer in MW-2 on 12/24/91.

RECENT ACTIVITIES/FINDINGS:

Last Quarter Activities: Prepared and submitted Work Plan and Addendum to Work Plan (7-1-91); proposed expansion of offsite VES to onsite. Performed quarterly groundwater monitoring and reporting.
Current Quarter Activities: Performed an aquifer pump test in November 1991. Submitted EBMUD permit application on 11/26/91. Installed a Horner EZY floating product skimmer in MW-2 on 12/24/91.

ANTICIPATED ACTIVITIES:

Next Quarter Activities: ARCO to perform groundwater monitoring; install onsite vapor extraction wells (pending Alameda County approval); assess groundwater plume; issue pump test report; and prepare groundwater monitoring report.

Reports documenting the site's history are listed on page 2.

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Letter Report on Third Quarter 1991 Groundwater Monitoring 60026.06	12/02/91	RESNA
Wastewater Discharge Permit Application 60026.07	11/26/91	RESNA
Addendum Two to Work Plan 60026.07	9/23/91	RESNA
Letter Report on Second Quarter 1991 Ground-Water Monitoring AGS 60026.02	7/12/91	RESNA/Applied GeoSystems
Work Plan for Subsurface Environmental Investigation and Remediation AGS 60026.03	7/01/91	RESNA/Applied GeoSystems
Addendum One to Work Plan AGS 60026.03	7/01/91	RESNA/Applied GeoSystems
Letter Report on First Quarter 1991 Ground-Water Monitoring AGS 60026.02	4/16/91	RESNA/Applied GeoSystems
Report on Underground Gasoline Storage Tank Removal and Replacement	2/11/91	Applied GeoSystems
Letter Report on Quarterly Ground-Water Monitoring for Fourth Quarter 1990 AGS 60026-1	1/29/91	Applied GeoSystems
Report on Limited Offsite Subsurface Environmental Investigation AGS 19014-3	1/17/91	Applied GeoSystems
Letter Report on Quarterly Ground- Water Monitoring for Fourth Quarter 1989, First & Second Quarter 1990 at ARCO Station 276, Oakland, CA AGS 19014-4	8/6/90	Applied GeoSystems
Results of Soil Sampling in Proposed Tank Pit Location	2/13/90	Applied GeoSystems
Letter Report on Quarterly Ground-Water Monitoring for Third Quarter 1990 AGS 60026-1	1/2/90	Applied GeoSystems
Report on Limited Subsurface Environmental Investigation AGS 19014-1	8/8/89	Applied GeoSystems

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Former Waste-Oil Tank Pit Analytical Results and Site Plan (Correspondence to Ms. Mary Meirs, ACEHD/HMD)	2/6/89	Pacific Environmental Group, Inc.
Preliminary Soil and Groundwater Quality Testing Program Foothill Square Job No. KE812-3A, 12302	10/7/88	Kaldveer Associates
Preliminary Environmental Assessment Proposed Foothill Square Job No. KE812-3, 12056	10/3/88	Kaldveer Associates
Soil Sampling and Monitoring Well Installation Foothill Square. Job No. 8-088.01	No date available	Western Geologic Resources, Inc.

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)

Certified Mailer # P 367 604 318

June 21, 1991

Mr. Chuck Carmel
Arco Products Co.
P. O. Box 5811
San Mateo, CA 94402

Re: Arco Station # 276, 10600 MacArthur Blvd., Oakland, CA
94605

Dear Mr. Carmel,

Alameda County Environmental Health Department, Hazardous Materials Division has received and reviewed the Quarterly Ground-Water Monitoring Report of the first quarter 1991 (dated April 16, 1991) prepared by Applied Geosystems.

The report findings indicate groundwater contamination of petroleum and halogenated compounds. You are requested to submit to this office within 45 days of the receipt of this letter or by July 31, 1991, a work plan specifying the investigative and remedial measures to be employed in adequately addressing the contamination at the above site.

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

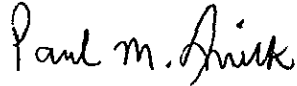
All proposals, reports and analytical results pertaining to this investigation and remediation must be sent to our office and also to:

Lester Feldman
Regional Water Quality Control Board, San Francisco Bay Region
2101 Webster Street, 5th Floor
Oakland, California 94612
(415) 464-125

Mr. Chuck Carmel
June 21, 1991
page 2 of 2

Should you have any questions pertaining to any of the above requests please contact me at 415/ 271-4320.

Sincerely,



Paul M. Smith
Hazardous Materials Specialist

cc:

Kyle Christie, Arco Products Inc.
Mike Barminski, Applied Geosystems
Lester Feldman, SFRWQCB
Charlene Williams, DHS
Gil Jensen, Alameda County District Attorney's Office of
Consumer and Environmental Affairs
Rafat A. Shahid, Assistant Agency Director, Alameda County
Environmental Health Department

P 367 604 318

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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)

Certified Mailer # P 367 604 428

June 12, 1991

Mr. Chuck Carmel
Arco Products Co.
P. O. Box 5811
San Mateo, CA 94402

Re: Arco Station # 276, 10600 MacArthur Blvd., Oakland, CA
94605

Dear Mr. Carmel,

Alameda County Environmental Health Department, Hazardous Materials Division has received and reviewed the Letter Report Quarterly Ground-Water Monitoring Report of the first quarter 1991 (dated April 16, 1991) prepared by Applied Geosystems.

The report findings indicate groundwater contamination of petroleum and halogenated compounds. You are requested to submit to this office within 45 days of the receipt of this letter or by July 16, 1991, a work plan specifying the remedial measures to be employed in adequately addressing the contamination at the above site.

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

Please be further advised that Alameda County Environmental Health Department, Hazardous Materials Division, is currently delegated authority from the San Francisco Regional Water Quality Control Board (RWQCB) to oversee remediation cases within Alameda County. Therefore, this Department will be lead agency for oversight of this case should further site characterization or remediation work be warranted following our review of data incorporated in the pending tank closure report.

P 367 604 228
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Sender	Arco Products
Street and NO.	PO Box 5811
P.O. State and ZIP Code	San Francisco 94402
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	6/13 (91)

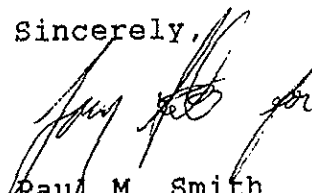
Mr. Carmel
 June 12, 1991
 Page 2 of 2

All proposals, reports and analytical results pertaining to this investigation and remediation must be sent to our office and also to:

Lester Feldman
 Regional Water Quality Control Board, San Francisco Bay Region
 2101 Webster Street, 5 th Floor
 Oakland, California 94612
 (415) 464-125

Should you have any questions pertaining to any of the above requests please contact me at 415/ 271-4320.

Sincerely,



Paul M. Smith
 Hazardous Materials Specialist

cc:

- Kyle Christie, Arco Products Inc.
- Mike Barminski, Applied Geosystems
- Lester Feldman, SFRWQCB
- Charlene Williams, DHS
- Gil Jensen, Alameda County District Attorney's Office of Consumer and Environmental Affairs
- Rafat A. Shahid, Assistant Agency Director, Alameda County Environmental Health Department

L.S.

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1004R | **0122956363**

Date **4/15/91**

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From (Your Name) Please Print J. Coffman		Your Phone Number (Very Important) 408-284-7723	To (Recipient's Name) Please Print MR. ARNOLD		Recipient's Phone Number (Very Important)
Company APPLIED GEOSYSTEMS		Department/Floor No	Company ACDOHS		Department/Floor No
Street Address 3315 ALMADEN EXPY STY 34					
City SAN JOSE		State CA	ZIP Required 95128	Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes) 80 SWANWAY, ROOM 200	
City SAN JOSE		State CA	ZIP Required 94121	City OAKLAND	

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5 Cash/Check

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State
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5 Release Signature

Date/Time



COPY



91 OCT 28 PM 2:50

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

TRANSMITTAL

TO: MR. CRAIG MAYFIELD
ALAMEDA COUNTY FLOOD CONTROL AND
WATER CONSERVATION DISTRICT
5995 PARKSIDE DRIVE
PLEASANTON, CALIFORNIA 94588

DATE: 10/24/91
PROJECT NUMBER: 60026.05
SUBJECT: ARCO STATINO 276 AT
10600 MACARTHUR BOULEVARD, OAKLAND, CA

FROM: JOEL COFFMAN
TITLE: PROJECT GEOLOGIST

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:
 Shop drawings Prints Reports Specifications
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1	10/23/91		<u>CANCELLATION OF WELL PERMIT #91417 FOR</u> <u>CONSTRUCTION OF WELLS AT THE ABOVE SUBJECT SITE.</u>

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: PAUL SMITH, ACHCSA
MR. JOHN MECK, ARCO PRODUCTS COMPANY
MR. H.C. WINSOR, ARCO PRODUCTS COMPANY
MR. CHUCK CARMEL, ARCO PRODUCTS COMPANY
MR. GIL JENSEN, ALAMEDA COUNTY DISTRICT ATTORNEY

Copies: 1 to AGS project file no. 60026.05

SAN JOSE READER'S FILE
Revision Date: 10/15/90
File Name: TRANSMT PRJ



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

October 23, 1991

Mr. Craig Mayfield
Alameda County Flood Control and
Water Conservation District
5995 Parkside Drive
Pleasanton, California 94588

Subject: Cancellation of Well Permit # 91417 for construction of wells at ARCO
Station 276, 10600 MacArthur Boulevard, Oakland, California.

Dear Mr. Mayfield:

This letter is a follow-up to our telephone conversation today in regards to the subject. As of today, Mr. Paul Smith of the Alameda County Health Care Services Agency, Hazardous Materials Division, has not given approval to proceed with the installation of the wells described in the subject permit. At this time, please cancel the permit and should approval to proceed be granted, we will again apply for the well installation permits.

If you have any questions, please phone us at (408) 264-7723. Thank you.

Sincerely,
RESNA/Applied GeoSystems

Joel Coffman
Project Geologist

cc: Paul Smith, ACHCSA
Mr. John Meck, ARCO Products Company
Mr. Chris Winsor, ARCO Products Company
Mr. Chuck Carmel, ARCO Products Company
Mr. G. Jensen, Alameda County District Attorney

October 23, 1991
Project

MEMORANDUM

To: Joel Coffman
From: Dan Landry
Subject: Operation and Maintenance

The treatment system is monitored every two weeks per the Bay Area Air Quality Management District's air permit. This monitoring includes monthly bag sampling of the influent to the treatment unit and twice a month monitoring of influent and effluent of the treatment unit as well as the influent from the well field with an FID or PID. The information from the samples is used to evaluate the total pounds of hydrocarbons and benzene removed from the soil and monitor changes in the well field production. Beginning in November monthly monitoring will include FID/PID evaluation of the individual wells. Pacific Environmental Group, Inc. foresees little difficulty in coordinating monitoring of the treatment system with RESNA.

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)

FACSIMILE TRANSMITTAL

TO:

(408) 264-2435 _____ Floor/Room # _____
Fax Phone Number

Name: Joel Coffman _____ Title/Section

Agency: App Geosystems _____

Address: _____

Phone #: () _____

FROM:

510 568-3706 _____ Floor/Room # _____
Fax Phone Number

Date: 10/29/91 _____ Time Sent: 9:15 _____

Sender: P. Smith _____ Title/Section

Phone #: (510) 271-4320 _____

Number of Pages Including Transmittal Sheet: 4

Special Instructions/Comments:

Joel,

Enclosed is the Appendix A from a Nov 89 copy
of the Tri Regional Recommendations

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

October 7, 1991

Mr. Chuck Carmel
Arco Products Co.
P. O. Box 5811
San Mateo, CA 94402

**Re: Arco Station # 276, 10600 MacArthur Blvd., Oakland, CA
94605**

Dear Mr. Carmel,

Alameda County Environmental Health Department, Hazardous Materials Division has received and reviewed the reports relevant to the existing off site vapor extraction system and outlining the proposed activities for the installation of an on site vapor treatment and also the installation of a ground water extraction well.

After review of the reports you are requested to have your consultant provide clarification on the following issues:

- 1) You are requested to provide a map indicating the locations of existing vapor extraction wells also indicating the locations of the proposed vapor and extraction wells. Please also provide a plumbing schematic indicating the locations of all piping connections into and out of the Remedi-cat treatment system.
- 2) Please provide this office with information indicating how the efficacy of the treatment system will be evaluated. Evaluation of the treatment system should include sampling at some specified frequency to evaluate the extraction from each vapor well or series of vapor wells of the same line.
- 3) You are requested to provide this office with some estimation of the anticipated length of time which both the off site and the on site system are expected to operate. Please also provide a description of how an effectively site will determined.
- 4) You are requested to indicate how the proposed system will prevent further migration of pollutant off site
- 5) It is my understanding that the existing system was installed by Pacific Environmental Group, Inc. (PEG) and the proposed system will be installed and operated by RESNA Applied Geosystems (AG). There is some concern by this office that there will be difficulty in

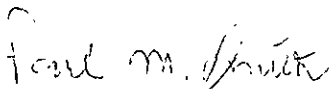
Chuck Carmel
October 7, 1991
page 2 of 2

coordinating the efforts of two consultants so that reports which are submitted for Agency review are intelligible. Please specify the measures which will be taken to integrate information from both consultants. The information in question includes: information relating to the details of the proposed treatment system, quarterly progress reporting and the evaluation of both the new and old system during operation and at the completion of the project and also any proposed ground water treatment proposals or reports.

The installation of a ground water recovery well (RW-1) portion of the Work Plan is acceptable. You are required to provide additional information as it becomes available regarding the feasibility of utilizing RW-1 for ground water treatment in an anticipated future Work Plan proposal for a ground water treatment system.

Should you have any questions pertaining to any of the above requests please contact me at 415/ 271-4320.

Sincerely,



Paul M. Smith
Hazardous Materials Specialist

cc:

Joel Coffman, Applied Geosystems
Dan Landry, Pacific Environmental Systems, Inc.
Kyle Christie, Arco Products Inc.
Lester Feldman, SFRWQCB
Charlene Williams, DHS
Gil Jensen, Alameda County District Attorney's Office



91 SEP 24 11:05

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

September 20, 1991

Mr. Paul Smith
Alameda County Health Care Services Agency
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621

Subject: Telephone conversation follow-up and request for letter response to ARCO Products Company letter dated September 6, 1991 concerning ARCO Station 276, 10600 MacArthur Boulevard, Oakland, California.

Dear Mr. Smith:

This letter is a follow-up to our recent telephone conversations concerning proposed work at the subject site. We are currently awaiting your review and response to the ARCO letter dated September 6, 1991. This ARCO letter was sent in response to your letter dated August 7, 1991 concerning proposed work at the subject site.

In our telephone conversation, you said you could not grant approval of the proposed vapor extraction wells at the site or proposed tie-in to the existing Pacific Environmental Group (PEG) vapor extraction system because during your research into the PEG system you found that the permitting process and continued monitoring program of the PEG system is "inadequate" and until this is resolved, no tie-in to the system should occur. You also said you had received a new list of the Regional Water Quality Control Board's minimum criteria list concerning vapor extraction systems and that you would send me a copy along with a copy of your office's most current district assignments list.

An Addendum Two to Work Plan including recovery well installation and pump test to evaluate interim groundwater remediation is forthcoming as stated in the ARCO letter referenced above. Please forward any letter of response to ARCO Products Company concerning the proposed work with a copy also forwarded to us at RESNA/Applied GeoSystems.

Follow-up letter to ACHCSA
ARCO Station 276, Oakland, California

September 20, 1991

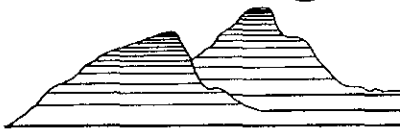
If you have any questions or comments, please call us at (408) 264-7723. Thank you.

Sincerely,
RESNA/Applied GeoSystems



Joel Coffman *JC*
Project Geologist

cc: Mr. Chuck Carmel; ARCO
Mr. Chris Winsor, ARCO
Mr. Gil Jensen, Alameda County District Attorney's Office
Mr. John Meck, ARCO Legal



Applied GeoSystems, Inc.

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

• FREMONT • IRVINE • BOSTON • SACRAMENTO • CULVER CITY • SAN JOSE

August 7, 1991
0808psth
AGS 60026.05

Mr. Paul Smith
Alameda County Health Care Services Agency
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621

Subject: Proposed Environmental work outlined in the Work Plan for Subsurface Investigations and Remediation and Addendum One to Work Plan (RESNA/Applied GeoSystems, July 1, 1991) at ARCO Station 276, 10600 MacArthur Boulevard, Oakland, California.

Dear Mr. Smith:

This letter is a follow-up to our recent telephone conversations concerning proposed work at the subject site. We are currently awaiting your review and approval of the subject documents before proceeding with the proposed work outlined in Addendum One to the Work Plan (RESNA/Applied GeoSystems, July 1, 1991). Please forward any letter of approval to ARCO Products Company concerning the proposed work with a copy also forwarded to us at RESNA/Applied GeoSystems. If you have any questions or comments, please call me at (408) 264-7723. Thank you.

Sincerely,
RESNA/Applied GeoSystems

Joel Coffman
Project Geologist

cc: Mr. Chuck Carmel; ARCO Products Company
Mr. Gil Jensen, Alameda County District Attorney's Office

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)

August 7, 1991

Mr. Chuck Carmel
Arco Products Co.
P. O. Box 5811
San Mateo, CA 94402

**Re: Arco Station # 276, 10600 MacArthur Blvd., Oakland, CA
94605**

Dear Mr. Carmel,

Alameda County Environmental Health Department, Hazardous Materials Division has received and reviewed the latest Quarterly Ground water Monitoring Report dated July 11, 1991, the Work plan for Subsurface Investigation and Remediation and Addendum One to Work Plan, both dated June 27, 1991.

The latest quarterly ground water report for the five existing on site wells revealed the following information:

- 1) Analytical results collected from monitoring well (MW) MW-1 on February 1, 1990, revealed 91 ppb of Total Petroleum Hydrocarbons as gasoline (TPHg). Most recent results indicated <30 ppb TPHg and <0.30 ppb of benzene.
- 2) On February 1, 1991, MW-2 contained floating product. On 7/31/91 analytical results revealed 240,000 ppb of TPHg and 14,000 ppb of benzene, since that time no additional sampling has been conducted from MW-2.
- 3) On October 30, 1990 results taken from MW-3 indicated 340 ppb TPHg. Since that time no sampling has occurred in this well.
- 4) On April 30, 1991 MW-4 indicated 600 ppb TPHg and 2,200 ppb tetrachloroethene (PCE). On July 31, 1991 results indicated 1,600 ppb PCE, 7.5 ppb trichloroethene (TCE) and 0.7 ppb of 1,2-dichloroethene (DCE).
- 5) Sampling results collected from MW-5 on April 30, 1991 revealed 120 ppb of TPHg.

The work plans submitted recently to this office for review propose:

- 1) To drill additional soil borings to evaluate the lateral and vertical extent of contamination at the site
- 2) The preparation of a Feasibility Study addressing soil remediation and the installation of eight on site vapor extraction wells.

Mr. Carmel
August 7, 1991
page 2 of 3

- 3) The submittal of a work plan specifying construction plans and specifications for the above.
- 4) On site groundwater monitoring wells will be installed, developed and sampled as needed in order to delineate the lateral and vertical extent of ground water contamination.
- 5) Hydrologic tests will be conducted to evaluate the potential migration of contamination hydrocarbons.
- 6) The preparation of a Groundwater Remediation Feasibility Study in conjunction with a vapor extraction work plan as necessary.

At this point in time this office requests that you provide us with a report that describes the remediation measures that have been taken to date that have prevented further migration of all identified contaminants. This office requires a more complete proposed work plan which incorporates the following items:

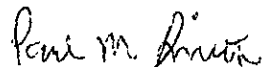
- 1) All proposed activities are to be 'tasked out' with a committed time line for the initiation and completion of each task.
- 2) You are required to continue/ initiate interim measures to remove free floating product detected in any ground water wells and to conduct quarterly monitoring for each of the wells.
- 3) You are required to specify the locations of the proposed soil borings and the placement of on site wells and also to specify the contaminants sought.
- 4) Provide technical information regarding the design of the proposed on site treatment system and how the system will adapt to the existing off site vapor extraction system that has been installed by Pacific Environmental Group. You are also requested to provide any vapor influence data available on the proposed vapor system.
- 5) An earlier Kaldveer and Associates report (dated October 3, 1988) identified the presence of pesticides and polychlorinated bi-phenyls (PCBs) in soil and ground water. You are required to analyze for these constituents in soil and ground water and to determine the extent of contamination from these constituents.
- 6) You are required to provide specific information to this office outlining a design system for a ground water treatment system which will address the contamination of petroleum hydrocarbon and chlorinated solvents and any other contaminants identified at the above site.

You are required to provide this department with report within 30 days of the receipt of this letter addressing the information outlined above.

Mr. Carmel
August 7, 1991
page 3 of 3

Should you have any questions pertaining to any of the above requests please contact me at 415/ 271-4320.

Sincerely,



Paul M. Smith
Hazardous Materials Specialist

cc:

Kyle Christie, Arco Products Inc.
Joel Coffman, Applied Geosystems
Dave Landry, Pacific Environmental Group, Inc.
Lester Feldman, SFRWQCB
Charlene Williams, DHS
Mark Thomsen, Alameda County District Attorney's Office of
Consumer and Environmental Affairs

L.S.

BILLING ADJUSTMENT FORM

Date: 8/2/90

Pgm Affected Billing Acct.#	
<input type="checkbox"/>	Generator . H _____
<input checked="" type="checkbox"/>	AB2185 . . . L <u>61043</u>
<input type="checkbox"/>	UGT T _____

HazMat StID* : _____
 Caller: Elaine Savine Phone: 571-2482

Company Name : ARCO STATION #00276

Site Address : 10600 MacArthur Blvd. Oakland 94605

Requested Changes : Elaine Savine of Arco called because of a mistake on our billing. She wants a refund for one tank that was removed last year w/c she paid on the same month.
 Initials: ES

Inspectors' Conclusion

- Rescind Bill for following reasons:
- No Hazardous Waste Moved out of County
 - Qty's under 2185 Min. Closed / Out of Business
 - UGTanks removed
 - Other _____

Continue Billing With Following Changes:

	From:	To:
<u>Change number of EMPLOYEES</u>	<u>5</u>	<u>4</u>
<u>Change number of TANKS</u>	<u>5</u>	<u>3</u>
<u>AB2185: Changes attached</u>	<u>5</u>	<u>10</u>
<u>Reopen Site Address / New Owner</u>		

Co. Name _____

Owner _____ Phone _____

New Address

Site Address _____ City _____ Zip _____

Mail Address _____ City _____ Zip _____

Inspector: Penelope Chan... Date: 01/2/90

HM Chg: _____
<input type="checkbox"/> Sent to Billing
on ___/___/___
Rev 11/89 Mac-BillAdj

DATA CHART
For Use With

Petro-Tite
92-1512

1 LOCATION: 10600 MacArthur & 106th Ave Oakland Calif.
Street No. and/or Corner City State Telephone No.

2 OWNER: Arco Ron Miles Engineer 1-800-855-4444
Name Address Representative Position Telephone No.

3 OPERATOR: Arco Dealer, Mgr. or Other Address (if different than Location) Telephone No.

4 REASON FOR TEST: New installation

5 TEST REQUESTED BY: Ron Miles Engineer Order No. Billing Address
Name Region

6 SPECIAL INSTRUCTIONS:

7 CONTRACTOR OR COMPANY MAKING TEST
MECHANIC(S) NAME: Paradiso Construction Mechanic: Randall Pond

8 IS A TANK TEST TO BE MADE WITH THIS LINE TEST? YES NO
9 MAKE AND TYPE OF PUMP OR DISPENSERS: Sub-pumps: Red Jacket / Dispensers: Takheim

10 WEATHER: Sunny TEMPERATURE IN TANKS: °F °C COVER OVER LINES: Concrete APPROXIMATE BURIAL DEPTH: 2'-2½'
Concrete Black Top, etc.

6/28/90
Year 90 State Calif. Name Arco
Mo. 6 City Oakland Job # 592
Day 28 State Calif. City Oakland
DATE OF TEST 28 Ave. E. MacArthur

11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	14 PRESSURE		15 VOLUME		16 TEST RESULTS CONCLUSIONS, REPAIRS AND COMMENTS
			psi OR kPa		READING		
			BEFORE	AFTER	BEFORE	AFTER	
	11:30	Setup tester on the					
	11:40	screwed down check					
0	11:45	Pumped line to 50 psi	50			.0950	
1	12:00	Reset line at 50 psi	47	50	.0950	.0930	-.0020
2	12:15	" "	47	50	.0930	.0915	-.0015
3	12:30	" "	48	50	.0915	.0900	-.0015
4	12:45	" "	47	50	.0900	.0885	-.0015
5	12:55	TRIP 06		50	.0885	.0875	-.0010
6	13:02	Reset line at 50 psi		50	.0875	.0860	-.0015

	13:15	Setup Tester on the <u>Unleaded</u> product line.					
	13:25	Screwed down check valve to seal system.					
0	13:30	Pumped line to 50 p.s.i.	50			.0635	
1	13:45	Reset line at 50 p.s.i.	49	50	.0635	.0625	-.0010
2	14:00	" "	47	50	.0625	.0615	-.0010
3	14:15	" "	47	50	.0615	.0610	-.0005
4	14:30	" "	50	50	.0610	.0610	±.0000
5	14:45	" "	50	50	.0610	.0610	±.0000
6	14:47	Removed Test - Final Hour Reading			.0015	G.P.H.	

	9:45	Setup Tester on the <u>Super Unleaded</u> product line.					
	9:55	Screwed down check valve to seal system.					
0	10:00	Pumped line to 50 p.s.i.	50			.0215	
1	10:15	Reset line at 50 p.s.i.	45	50	.0215	.0180	-.0035
2	10:30	" "	46	50	.0180	.0150	-.0030
3	10:45	" "	42	50	.0150	.0135	-.0015
4	11:00	" "	48	50	.0135	.0120	-.0015
5	11:15	" "	49	50	.0120	.0110	-.0010
6	11:17	Removed Test - Final Hour Reading			.0070	G.P.H.	

BARGHAUSEN CONSULTING ENGINEERS, INC.

"Land Planning, Survey, and Design Specialists"

FACSIMILE TRANSMITTAL

JOB NO. 3455

TO: Cynthia Chapman
Alameda County Health Agency

FAX NO. 415-~~777-7777~~ 568-3706

FROM: Frances Hedeck
Barghausen Engineers

FAX NO. 916-348-3057

* * * * *

RE: Tank Installation Permits

WE ARE SENDING:

QUANTITY

DESCRIPTION

QUANTITY	DESCRIPTION

CC: _____

NO. PAGES INCLUDING COVER SHEET 3

DATE/TIME 4/20 3:25 p.m.

NOTE: IF YOU DO NOT RECEIVE THE NUMBER OF PAGES LISTED, PLEASE CONTACT

Amy/Robin AT (916) 348-3057

BARGHAUSEN CONSULTING ENGINEERS, INC.

"Land Planning, Survey, and Design Specialists"

April 20, 1990
FACSIMILE

Ms. Cynthia Chapman
Alameda County Health Agency
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

RE: Tank Installation Permits for the ARCO Facility Located
at 10600 McArthur Boulevard, Oakland, California
ARCO FAC No. 276/Our Job No. 3455

Dear Cynthia:

First, I would like to thank you very much for your prompt attention to the above-referenced project. Additionally, I am providing you with the following information as requested by you in the letter faxed to me on April 18, 1990:

1. The spill containment fill box has a capacity of 5 gallons.
2. The Ronan Leak Detection System will be on a dedicated circuit. No other equipment will be located on this circuit.
3. In reference to Sheet TL-1, notes 18 and 19 are unclear and partially incorrect. There will be an "active" syphon placed between the two unleaded tanks and "inactive" syphons placed between the regular and super tanks and the super and adjacent unleaded tank. All syphon lines are secondarily contained. The inactive syphons are capped within the turbine containment system.
4. A precision tank/line test will be performed prior to final acceptance of the system by ARCO. The results will be provided to the Health Department prior to operation of the system.
5. The general contractor will provide as-built drawings to us upon completion of the project. We will, in turn, provide a set of as-built plans to the Health Department.

Home Office: 18215 72nd Avenue South • Kent, Washington 98032 • (206) 251-6222 • Fax (206) 251-8782

North Highlands: 4612 Roseville Road, Suite #103 • North Highlands, California 95660 • (916) 348-3057 • Fax (916) 348-0953

Ms. Cynthia Chapman
Alameda County Health Agency
Page 2

April 20, 1990

- 6. The general contractor will arrange for required inspections by the Oakland Fire Department and the Alameda County Health Department.

Again, I appreciate your timely consideration of this permit application. If you have any more questions or require further information, please call me at (916) 348-3057. If the project now meets with your approval, please call me immediately so I can arrange to have the final permits picked up.

Respectfully,

Frances W. Hedrick
Project Manager

FWH/aw
C400.82
cc:

- Mr. Ron Knutson, Atlantic Richfield Company
- Mr. Hank Sheetz, Atlantic Richfield Company
- Mr. Ron Miles, Atlantic Richfield Company
- Mr. Kyle Christie, Atlantic Richfield Company (w/enc)
Please note Item #4 above
- Mr. Tony Miller, Paradiso Construction -- **Please note Items 2, 5 and 6 above, require action by your company. Please coordinate with your field supervisor.**

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)

April 20, 1990

Ms. Frances Hedrick
Barghausen Consulting Engineers, Inc.
4612 Roseville Road, Suite 103
North Highlands, CA 95660

ARCO 100

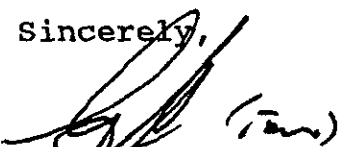
Dear Ms. Hedrick:

Our office has reviewed the installation plans for the ARCO Station 276, located at 10600 MacArthur Boulevard, Oakland. The following items must be addressed before we allow installation of the four tanks:

- Please provide a description of the siphon system for the two unleaded tanks, and clarify Items 18 and 19 on page TL-1.
- Indicate that the tank alarm system is wired to an independent circuit.
- Provisions are to be made for contacting Alameda County and Oakland Fire 48 hours prior to: tank installation; primary piping testing; secondary containment testing; and a final inspection of installation and alarm system.
- A precision test of the tank system is required prior to the business reopening, and the results are to be submitted to this office.
- As-builts are to be submitted to this office within 30 days of completion of the job.

Once we have received a response to these items, we can continue with the installation process. If you have any questions, please call Cynthia Chapman at 415/271-4320.

Sincerely,


Edgar B. Howell, III
Chief, Hazardous Materials Division

cc: Rafat Shahid, Assistant Agency Director, Environmental Health
Kyle Christie, ARCO
Ariu Levi, Senior Hazardous Materials Specialist

TIER TWO EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY	Facility Identification	Operator Name	Phone: (415) 635-4641
	Name : ARCO FACILITY NO. 00276 Street Address: 10600 MACARTHUR BLVD. City and State: OAKLAND CA 94605	Name : DONNA VO & DAI VAN VO Mail Address : 10600 MACARTHUR BLVD. : OAKLAND CA 94605	
Specific Information By Chemical	SIC Code: 5541 Dun & Brad No. 04-542-6723	Emergency Contact	
	FOR OFFICIAL USE ONLY ID # Date Received	Name: DAVID VO Phone (415) 635-4641	Title: DEALER 24 Hr. Phone (415) 743-6015 (000) 000-0000
		Name: ARCO MAINTENANCE Phone (415) 571-2427/28/29	24 Hr. Phone (800) 451-9442

Important: Read all instructions before completing form Reporting Period: From January 1 to December 31, 1989

CHEMICAL DESCRIPTION	PHYSICAL AND HEALTH HAZARDS check all that apply	Max Daily Amount code	INVENTORY Avg Daily Amount code	No of Days On-site days	STORAGE CODES AND LOCATIONS (Non-Confidential)	
					Storage Code	Storage Location
CAS: 008006-61-9 Chem. Name PETROLEUM NAPTHAS (Blended Gasoline) Type: LIQUID ONLY	X Fire - Sudden Release of Pressure - Reactivity X Immediate (acute) - Delayed (chronic)	04	03	365	B14	

Certification: (Read and sign after completing all sections)
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

ELAINE J. LAVINE, ENVIRONMENTAL COMPLIANCE ADMINISTRATOR
Owner/Operator or Authorized Representative

E. J. Lavine
Signature
2/28/90
Date Signed

Optional Attachments (check one)
 I have attached a site plan
 I have attached a list of site coordinate abbreviations

BARGHAUSEN CONSULTING ENGINEERS, INC.

"Land Planning, Survey, and Design Specialists"

April 20, 1990
FACSIMILE

91 MAY 23 AM 11:03

Ms. Cynthia Chapman
Alameda County Health Agency
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

RE: Tank Installation Permits for the ARCO Facility Located
at 10600 McArthur Boulevard, Oakland, California
ARCO FAC No. 276/Our Job No. 3455

Dear Cynthia:

First, I would like to thank you very much for your prompt attention to the above-referenced project. Additionally, I am providing you with the following information as requested by you in the letter faxed to me on April 18, 1990:

1. The spill containment fill box has a capacity of 5 gallons.
2. The Ronan Leak Detection System will be on a dedicated circuit. No other equipment will be located on this circuit.
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Home Office: 18215 72nd Avenue South • Kent, Washington 98032 • (206) 251-6222 • Fax (206) 251-8782

North Highlands: 4612 Roseville Road, Suite #103 • North Highlands, California 95660 • (916) 348-3057 • Fax (916) 348-0953

ARCO Products Company

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



March 13, 1990

Mr. Ariu Levy
Alameda County Health Agency
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

Re: ARCO Station #276, 10600 MacArthur Blvd., Oakland, California.

Dear Mr. Levy:

ARCO Products Company will perform a soil and groundwater investigation at the subject site after the completion of the tank replacement currently occurring at the subject site. The investigation will follow the procedures discussed in the Alameda Health Care Services, February 1989, document titled "Underground Storage Tank Removal Process in Alameda County" and the RWQCB "Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks" revised May 1989.

Additionally, after completion of the tank replacement construction, ARCO will extend our offsite remediation system to include the onsite areas impacted by hydrocarbons as we had agreed to previously.

ARCO intends to place uncontaminated soil from the new tank complex into the excavation of the previous tank complex. Clean soil will be determined by PID meters and smell. Any soil which has the possibility of being contaminated will not be returned to the old tank excavation. My telephone conversation with Mr. Tom Callaghan (Section Leader, Toxics Cleanup Division of the RWQCB) indicated that the RWQCB staff recommendations for stockpile characterization is still only a draft document and is only concerned with quantities of contaminated soil less than 200 yards which has been treated earlier or contains low levels of contamination which is to be returned to the ground. This is not the case at the subject station with respect to uncontaminated soil from the new tank excavation.

Please call me at (415) 571-2434 if I can be of assistance.

Sincerely,

ARCO Products Company is a Division of AtlanticRichfieldCompany

APPC-7025-D
(9-88)



PACIFIC
ENVIRONMENTAL
GROUP INC.

90 FEB 21 PM 12:24

February 20, 1990
Project Number 330-40.03

Mr. Ariu Levi
Alameda County Environmental Health Department
80 Swan Way, Room 200
Oakland, California 94612

Re: Soil Remediation Activities at ARCO Station No. 0276,
10600 MacArthur Boulevard, Oakland, California

Dear Mr. Levi;

Enclosed please find a copy of the information which you requested from Mr. Kyle Christie at ARCO regarding remediation of soils containing petroleum hydrocarbons at the above referenced site. The attached letter report provides information on the performance testing, design, and installation of the off-site soil venting system recently constructed at this site. Please feel free to contact ARCO should you have any questions regarding the information contained in the attached report.

Sincerely,

PACIFIC ENVIRONMENTAL GROUP, INC.

Robert K. Wenzlau, P.E.
Senior Engineer

enclosures

State of California—Health and Welfare Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-91)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

See Instructions on Back of Page 6
and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

3000104
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-852-7580

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A L 0 0 0 0 1 3 9 9 2 0 0 0 0 3
Manifest Document No. 0 3

2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
ARCO
P. O. Box 5811, San Mateo, CA 94402

A. State Manifest Document Number
90003734
B. State Generator's ID
H Y H Q 3 6 - 0 1 5 6 6 0

4. Generator's Phone ((415) 571-2434/571-2428

5. Transporter 1 Company Name
H & H Ship Service Company
6. US EPA ID Number
C A D 0 0 4 7 7 1 1 6 8

C. State Transporter's ID 103578
D. Transporter's Phone (415) 543-4835

7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
H & H Ship Service Company
220 China Basin Street
San Francisco, CA 94107
10. US EPA ID Number
C A D 0 0 4 7 7 1 1 6 8

E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
C A D 0 0 4 7 7 1 1 6 8
H. Facility's Phone
(415) 543-4835

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type
13. Total Quantity
14. Unit Wt/Vol
15. Waste No.

a. HAZARDOUS WASTE LIQUID, N.O.S. ORM-E NA 9189
b.
c.
d.

01011 TIT 031010 G
State 241
EPA/Other
State
EPA/Other
State
EPA/Other
State
EPA/Other

J. Additional Descriptions for Materials Listed Above
FUEL OIL AND WATER

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
JOB SITE: ARCO STATION, #276
10600 McArthur Avenue
Oakland, CA
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford

Printed/Typed Name
Signature
Month Day Year
10 21 08 9 0

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year
FREDERICK TYRONE NEAL
Frederic Tyrone Neal
10 12 10 18 19 10

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name
Signature
Month Day Year
Roshan Bhattacharya
10 20 89 1 0

State of California—Health and Welfare Agency
Form Approved OMB No. 2050-0038 (Expires 9-30-91)
Please print or type. (Form designed for use on nite (12-pitch typewriter).

See instructions on back of Page 6
and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9302. WITHIN CALIFORNIA CALL 1-800-332-5858

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A L 0 0 0 0 1 3 9 9 2 0 0 0 0 1		Manifest Document No. 0 0 0 0 1	2. Page 1 or 1	Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address ARCO P. O. Box 5811, San Mateo, CA 94402				A State Manifest Document Number 90003732			
4. Generator's Phone ((415) 571-2434/571-2428				B State Generator's ID H Y H Q 3 6 1 - 0 1 5 6 6 0			
5. Transporter 1 Company Name H & H Ship Service Company		6 US EPA ID Number C A D 0 0 4 7 7 1 1 6 8		C State Transporter's ID 103576774		D Transporter's Phone (415) 543-4835	
7. Transporter 2 Company Name		8 US EPA ID Number		E State Transporter's ID		F Transporter's Phone	
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107		10 US EPA ID Number C A D 0 0 4 7 7 1 1 6 8		G State Facility's ID C A D 0 0 4 7 7 1 1 6 8		H Facility's Phone (415) 543-4835	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RESIDUE GASOLINE TANK (CALIFORNIA ONLY REGULATED WASTE)				12. Containers No. Type 0 0 2 T I P		13. Total Quantity 0 6 0 0 0 0 P	
b.						I. Waste No. State 512 EPA/Other	
c.						State EPA/Other	
d.						State EPA/Other	
J. Additional Descriptions for Materials Listed Above PUMPED OUT 6,000 gallon tanks last containing gasoline. Tanks inerted with dry ice for transport.				K. Handling Codes for Wastes Listed Above a. 01 b. c. d.			
15. Special Handling Instructions and Additional Information JOB SITE: ARCO STATION, #276 10600 McArthur Avenue Oakland, CA APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford							
Printed/Typed Name Don Moorehead		Signature <i>Don Moorehead</i>		Month Day Year 10 2 0 8 9 0			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name HAROLD L. ADCOX JR.		Signature <i>Harold L. Adcox Jr.</i>		Month Day Year 10 2 0 8 9 0			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <i>Cleveland V. Vane</i>							
Signature <i>Cleveland V. Vane</i>		Month Day Year 02 08 90					



220 CHINA BASIN, P.O. BOX 77363 • SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835

CERTIFICATE OF DISPOSAL

FEBRUARY 12, 1990

H & H Ship Service Company hereby certifies to PARADISO CONSTRUCTION that:

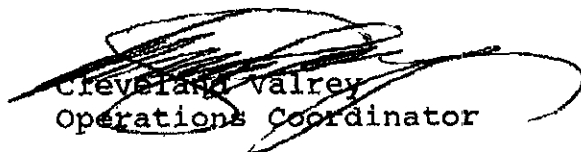
1. The storage tank(s), size(s) ONE (1) 10,000 GALS. FIBERGLASS

removed from the ARCO STATION, #276
 facility at 10600 MAC ARTHUR AVENUE
OAKLAND, CALIFORNIA

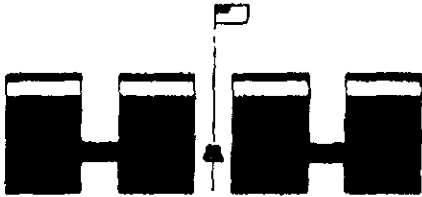
were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

2. The following tank(s), H & H Job Number 3421 have been steamed cleaned, rendered harmless, demolished and disposed of as general refuse.
3. Disposal site: SANITARY FILL COMPANY, SAN FRANCISCO, CALIFORNIA.
4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.
5. Should you require further information, please call (415) 543-4835.

Very Truly Yours,


 Cleveland Valrey
 Operations Coordinator





ENVIRONMENTAL SERVICES
(DIVISION OF H & H SHIP SERVICE CO., INC.)

220 CHINA BASIN, P.O. BOX 77363 • SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835

CERTIFICATE OF DISPOSAL

FEBRUARY 12, 1990

H & H Ship Service Company hereby certifies to PARADISO CONSTRUCTION that:

1. The storage tank(s), size(s) ONE (1) 10,000 GALS. FIBERGLASS

removed from the ARCO STATION, #276
facility at 10600 MAC ARTHUR AVENUE
OAKLAND, CALIFORNIA

were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

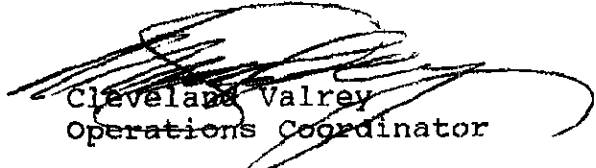
2. The following tank(s), H & H Job Number 3421
have been steamed cleaned, rendered harmless, demolished and disposed of as general refuse.

3. Disposal site: SANITARY FILL COMPANY, SAN FRANCISCO, CALIFORNIA.

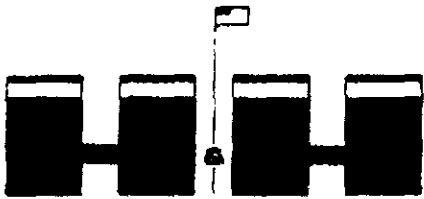
4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please call (415) 543-4835.

Very Truly Yours,


Cleveland Valrey
Operations Coordinator





ENVIRONMENTAL SERVICES
(DIVISION OF H & H SHIP SERVICE CO., INC.)

220 CHINA BASIN, P.O. BOX 77363 • SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835

CERTIFICATE OF DISPOSAL

FEBRUARY 12, 1990

H & H Ship Service Company hereby certifies to PARADISO CONSTRUCTION that:

1. The storage tank(s), size(s) THREE (3) 6,000 GALS.

removed from the ARCO STATION, #276

facility at 10600 MAC ARTHUR AVENUE

OAKLAND, CALIFORNIA

were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

2. The following tank(s), H & H Job Number 3421

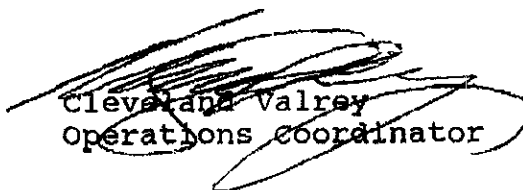
have been steamed cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: LEVIN METALS CORPORATION, RICHMOND, CALIFORNIA.

4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please call (415) 543-4835.

Very Truly Yours,


Cleveland Valrey
Operations Coordinator




ENVIRONMENTAL SERVICES

(DIVISION OF H & H SHIP SERVICE CO., INC.)

220 CHINA BASIN, P.O. BOX 77363 • SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835

CERTIFICATE OF DISPOSAL
FEBRUARY 12, 1990

 H & H Ship Service Company hereby certifies to **PARADISO CONSTRUCTION** that:

1. The storage tank(s), size(s) **THREE (3) 6,000 GALS.**

removed from the **ARCO STATION, #276**
 facility at **10600 MAC ARTHUR AVENUE**
OAKLAND, CALIFORNIA

were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

2. The following tank(s), H & H Job Number **3421**
 have been steamed cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.
3. Disposal site: **LEVIN METALS CORPORATION, RICHMOND, CALIFORNIA.**
4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.
5. Should you require further information, please call (415) 543-4835.

Very Truly Yours,


 Cleveland Valrey
 Operations Coordinator


BARGHAUSEN CONSULTING ENGINEERS, INC.

"Land Planning, Survey, and Design Specialists"

December 8, 1989
FEDERAL EXPRESS

Ms. Mary Newman-Carter
Alameda County
Department of Environmental Service
Hazardous Materials Program
80 Swan Way Room 200
Oakland, CA 94612

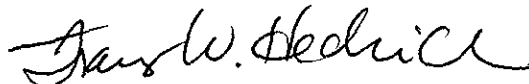
RE: Removal/Installation of Underground Storage Tanks at the ARCO AM/PM
Mini-Market Located at 10600 MacArthur Boulevard, Oakland, California
ARCO FAC No. 267/Our Job No. 3455

Dear Ms Newman-Carter:

In accordance with your request of December 7, 1989, enclosed are three (3) sets of construction plans for the above-referenced project. The contractor for this project is Paradiso Construction, Oakland. Mr. Paul Paradiso should have been in contact with your department regarding submittal of the completed Underground Tank Closure Modification Plan, the Site Health and Safety Plan, and workers compensation information.

If all of this information has not been provided please contact the undersigned immediately. Thank you for your time and consideration.

Respectfully,



Frances W. Hedrick
Design Engineer

FWH/rf
606.74

enc: As Noted

cc: Mr. Ron Knutson, ARCO Products Company
Mr. Hank Sheetz, ARCO Products Company
Mr. Ron Miles, ARCO Products Company
Mr. Paul Paradiso, Paradiso Construction

ACCEPTED

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94620
PHONE NO. 415/271-4320

89 DEC -5 AM 10:46

89 NOV 30 PM 12:32

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local laws. Changes to the plans indicated by this Department are to assure compliance with State and local laws. The proposed permit is now released for issuance. Any required building permits for construction.

One copy of these accepted plans must be on the job and available to all contractors and engineers involved with the removal.
Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- 1. Removal of Tank and Piping
- 2. Sampling
- 3. Final Inspection

Obtaining a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

HERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

R. Check 12/15/89

Project # U552981
Fee Paid \$831
Date 12/6/89

* Contractor information will be provided subsequent to contract award.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name ARCO AM/PM Mini-Market #276
Business Owner ARCO Products Company
2. Site Address 10600 MacArthur Blvd.
City Oakland Zip 94605 Phone (415) 635-4641
3. Mailing Address Mr. Steve Welge, 2000 Alameda de las Pulgas
City San Mateo Zip 94403 Phone (415) 571-2400
4. Land Owner ARCO Products Company
Address 2000 Alameda de las Pulgas City, State San Mateo, CA Zip 94403
5. EPA I.D. No. CAL000013992
- * 6. Contractor Paradiso Construction
Address 9220 G Street
City Oakland, CA 94603 Phone (415) 562-5511
License Type B, C-8, C61/D23, A, CID ID# 259820
7. Consultant Applied Geosystems (Mr. Bill Howell)
Address 43255 Mission Boulevard
City Fremont, CA Phone (415) 651-1906

8. Contact Person for Investigation

Name Mr. Bill Howell Title Consultant

Phone (415) 651-1906

9. Total No. of Tanks at facility 4

10. Have permit applications for all tanks been submitted to this office? Yes No

* 11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name H & H SHIP SERVICE EPA I.D. No. CAD 004771168

Address 220 CHINA BASIN

City SAN FRANCISCO State CA Zip 94107

b) Rinsate Transporter

Name H & H SHIP EPA I.D. No. SEE ABOVE

Address _____

City _____ State _____ Zip _____

c) Tank Transporter

Name H & H SHIP EPA I.D. No. SEE ABOVE

Address _____

City _____ State _____ Zip _____

d) Tank Disposal Site

Name H & H SHIP EPA I.D. No. SEE ABOVE

Address _____

City _____ State _____ Zip _____

e) Contaminated Soil Transporter

Name DILLARD TRUCKING EPA I.D. No. CAD 981692809

Address ROUTE 1 BOX 73

City BYRON State CA Zip 94514

*12/15/89
Per conversation
w/ Tony Miller
of Paradise
Tanks not to be
triple rinsed
on site*

12. Sample Collector

Name Mr. Bill Howell

Company Applied Geosystems

Address 43255 Mission Blvd.

City Fremont State CA Zip 94539 Phone (415) 651-1906

Per conversation with Tony Miller of Paradise on 12/15/89, all tanks est. to be 20 yrs old.

13. Sampling Information for each tank or area

During tank removal, the sides and bottom of all excavations will be sampled.

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
10,000 gal; steel	Regular gasoline	2 soil samples	all soil samples to be collected beneath the tanks at the native soil/backfill interface (but no greater than 2 feet below the tank)
6,000 gal; steel	Super unleaded gasoline	2 soil samples	
6,000 gal; steel	Unleaded gasoline	2 soil samples	
4,000 gal; steel	Unleaded gasoline	2 soil samples	

One soil sample shall be collected per 20 linear feet of piping

14. Have tanks or pipes leaked in the past? Yes [] No [XX]

If yes, describe. However, overspillage has resulted in soil contamination in the vicinity of existing underground storage tanks.

* 15. NFPA methods used for rendering tank inert? Yes [X] No [] ^{Minimum 15 lbs/1000 gal}

If yes, describe. GAS FREE TANKS WITH DRY ICE.
UNTIL PROPER LEL AND OXYGEN LEVELS ARE
VERIFIED BY THE OAKLAND FIRE DEPT. ~~BY THE ALAMEDA COUNTY ENVIRONMENTAL HEALTH INSPECTOR~~

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Applied Geosystems *→ for 8015, 8020, TPH only*

Address 43255 Mission Blvd.

City Fremont State CA Zip 94539

State Certification No. 153

All piping must be flushed into the tanks before tanks are inerted. Piping must then be removed or capped.

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Gasoline	5030 Standard Methods	GC/FID Modified 8015 , DHS Method
BTEX	8020 or 8240 prep method	8020 or 8240

All detection limits must meet the RWQCB requirements. See attached green sheet.

* 18. Submit Site Safety Plan

* 19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer Republic INDEMNITY CO.

20. Plot Plan submitted? Yes No

21. Deposit enclosed? Yes No

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

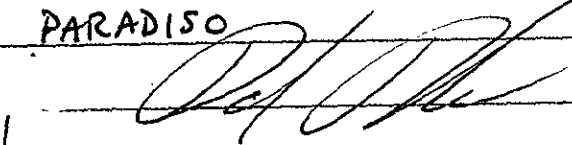
I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

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

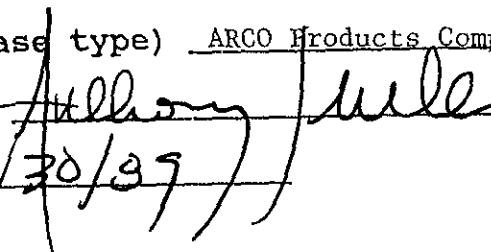
I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel and safety.

* { I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

* Signature of Contractor

Name (please type) PAUL PARADISO
Signature 
Date 11-29-89

Signature of Site Owner or Operator

Name (please type) ARCO Products Company
Signature  Agent for ARCO
Date 11/30/89

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. After approval of plan, notification of at least two (2) working days (48 hours) must be given to this Department prior to removal of tank(s).
5. A copy of your approved plan must be sent to the landowner.
6. Triple rinse means that:
 - a) Final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1). Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must be demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
 - b) Tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
 - c) Tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

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

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

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

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

INSTRUCTIONS

2. SITE ADDRESS

Address at which closure or modification is taking place.

5. EPA I.D. NO.

This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR

Prime contractor for the project.

7. OTHER

List professional consultants here.

12. SAMPLE COLLECTOR

Persons who are collecting samples.

13. SAMPLING INFORMATION

Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES

Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:

All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:

Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN

A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

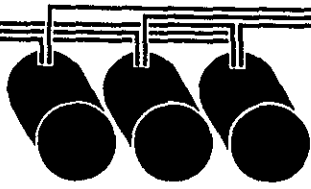
The plan should consists of a scaled view of the facility at which the tank(s) are located and should include the following information:

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

rev. 9/88
mam

PARADISO CONSTRUCTION CO.

GENERAL & PETROLEUM CONTRACTORS



LICENSE NO. 259820

P.O. BOX 6397

9220 "G" STREET OAKLAND, CA 94603

(415) 562-5511

SOIL AND GROUNDWATER SAMPLING PROCEDURE Gasoline, Diesel and Waste Oil Tank Removal

Underground storage tanks require two soil samples per tank of 1000 gallon capacity or greater. Tanks of a smaller capacity require one sample per tank unless otherwise required by local agencies. Samples are collected at a depth of two feet below the tank backfill.

Soil samples from beneath gasoline storage tanks are analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline (low to medium boiling fraction) using EPA method 8020. Samples from beneath diesel fuel storage tanks are analyzed for TPH as diesel (high boiling fraction) using EPA methods 3550 and 8015.

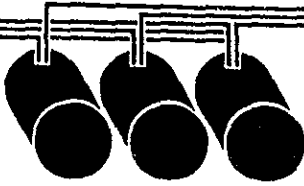
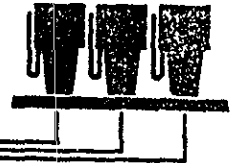
If groundwater is encountered in a fuel tank pit, water sample is collected. The sample is collected in a glass VOA (Volatile Organic Analysis) vial, insuring that no head space remains in the vial. The vial is sealed with a Teflon-lined screw cap. Water from a gasoline tank pit is analyzed for TPH as gasoline and BTX using EPA methods 602 and 5030. Water samples from a diesel tank pit are analyzed for TPH as diesel and BTX using EPA methods 3510 and 8020.

Soil samples collected from beneath waste oil tanks are analyzed for TPH high boiling fraction, using EPA method 3550 and 8015; total oil and grease (TOG) using EPA extraction method 3550 and gravimetric determination method 8010 and 8020 or EPA method 8240. Groundwater samples collected are collected as described above and are analyzed for TPH, high boiling fraction using EPA methods 3510 and 8020, and volatile organic compounds using EPA method 6240.

The analysis for all soil and water samples are done by a state certified lab.

PARADISO CONSTRUCTION CO.

GENERAL & PETROLEUM CONTRACTORS



LICENSE NO. 259820

P.O. BOX 6397

9220 "G" STREET OAKLAND, CA 94603

(415) 562-5511

GENERAL

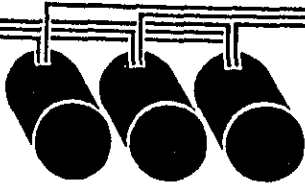
The company will furnish all safety equipment and tools to keep your place of work safe as possible, "use them".

Housekeeping: Keep the jobsite clear of scrap materials and debris especially near the trenches and excavations.

Barricades: The bulk of our work involves underground tanks and piping, so it involves trenching and excavation and a good many sites are kept in operation; we also have to provide safety for the general public. Use an ample amount of barricades and trench covers so that customers that are trying to use the facility are aware of the hazard that exists. Be especially aware of children that come on the site to see what is going on, and keep them well away from the excavation and equipment, or better yet keep them off the site entirely.

PARADISO CONSTRUCTION CO.

GENERAL & PETROLEUM CONTRACTORS



LICENSE NO. 259820

P.O. BOX 6397

9220 "G" STREET OAKLAND, CA 94603

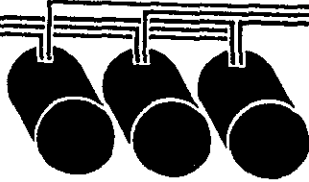
(415) 562-5511

PERSONAL PROTECTIVE EQUIPMENT

1. EYE PROTECTION: When cutting or burning, chipping or breaking concrete, or anytime you are subjected to eye injury, wear your goggles or safety glasses.
2. HEAD PROTECTION: When you are working in an area where you are subjected to falling objects or the site is a hard hat area, wear your hard hat.
3. BODY PROTECTION: Clothing appropriate for the work must be worn.
4. FOOT PROTECTION: Wear sturdy shoes appropriate to the work you are doing. When using a pavement breaker wear your toe protection devices.
5. HAND PROTECTION: When handling rough materials such as timbers, steel sheets, bars, and scrap; wear your gloves.
6. HEARING PROTECTION: When using a pavement breaker or operating noisy equipment, use your ear protection.
7. RESPIRATORY PROTECTION: Respirators must be worn when working in a confined space where dangerous air contamination exists, when sand blasting where toxic material evolves or when welding where there may be toxic substances.

*Respirator
wearers
must be
fit
tested*

PARADISO CONSTRUCTION CO.
GENERAL & PETROLEUM CONTRACTORS



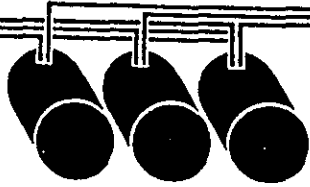
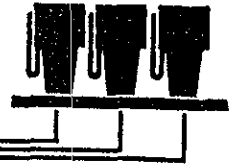
LICENSE NO. 259820
P.O. BOX 6397
9220 "G" STREET OAKLAND, CA 94603
(415) 562-5511

EQUIPMENT

1. Only trained or experienced employees may operate equipment.
2. Equipment operators must be sure other workers are clear before moving or operating this equipment. When changing buckets, be certain that the workers helping to change the bucket is clear before moving the boom. When using the boom for hoisting or moving equipment and or materials be sure the worker is clear before lifting or taking a strain on rigging.
3. Don't use damaged slings or cables, if they are questionable, call the office for replacement.
4. Avoid operations that expose employees to over head loads.

PARADISO CONSTRUCTION CO.

GENERAL & PETROLEUM CONTRACTORS



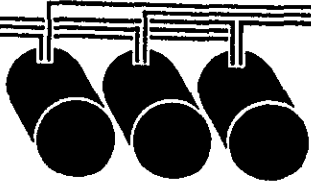
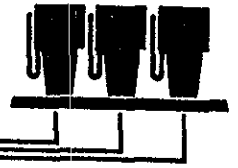
LICENSE NO. 259820
P.O. BOX 6397
9220 "G" STREET OAKLAND, CA 94603
(415) 562-5511

TOOLS

1. Don't use tools and equipment that are not in good repair; notify the office of the repairs that are needed.
2. All power tools are to be grounded.
3. SKILL SAWS: Saw guard must not be blocked open.
4. AIR COMPRESSORS: Air tank must be drained often, safety valve must be popped daily, all hoses to have safety clasp, and don't disconnect under pressure.
5. LADDERS: Defective or unsafe ladders will not be used, they shall be repaired or scrapped.

PARADISO CONSTRUCTION CO.

GENERAL & PETROLEUM CONTRACTORS



LICENSE NO. 259820

P.O. BOX 6397

9220 "G" STREET OAKLAND, CA 94603

(415) 562-5511

FIRE PROTECTION/PREVENTION

1. **SMOKING:** No smoking on any service station site except in an approved area away from the islands and tanks.
2. **FLAMMABLE LIQUIDS:** No sources of ignition are allowed in any work area where there is presence of flammable liquids, gasoling etc...
3. **FIRE EXTINGUISHERS:** All trucks and heavy equipment are to be equipped with one 5 lb. A.B.C. extinguisher.
4. Gasoline should not be used as a cleaning agent.
5. No burning or welding should be done in an enclosed tank or vessel until it has been determined that there is no possibility of fire or explosion.
6. A gas detection device is available, all persons should be familiar with this device and know how to use it.

PARADISO CONSTRUCTION CO.

GENERAL & PETROLEUM CONTRACTORS



LICENSE NO. 259820

P.O. BOX 6397

9220 "G" STREET OAKLAND, CA 94603

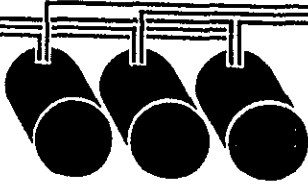
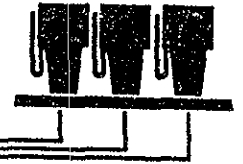
(415) 562-5511

EXCAVATION

1. Prior to excavating, the location of underground utilities must be determined and utility owners must be notified. This function will normally be done by the office but if you are not sure, call the office, especially, if you are to excavate in the street or sidewalk area.
2. All excavations 5' or more in depth that are to be entered, must be sloped 3/4 to 1 foot or shored.
3. All excavation must be inspected and monitored for ground movement on a continuing basis.
4. There must be proper qualified supervision at all times during excavation.
5. Safety provisions must be taken while installing and removing shoring, the work can be extremely dangerous if good practice is ignored.
6. Keep spoils well back 2' or more from the edge of all excavations.
7. Effective barriers and barricades are to be used around all excavations for your protection as well as others that may want to see the work going on. Keep all others not involved in the work well back from the excavations, especially children.
8. Watch for overhead power lines, keep at least 10' away from these conductors.
9. Trench covers: A facility that is to be kept in operation, as many are, set up barricades and cover trenches to reduce the possibility of a customer driving or walking into an open trench. When work is done for the day, insure that you leave the site in a safe condition.

PARADISO CONSTRUCTION CO.

GENERAL & PETROLEUM CONTRACTORS



LICENSE NO. 259820

P.O. BOX 6397

9220 "G" STREET OAKLAND, CA 94603

(415) 562-5511

CONFINED SPACES

Before employees are allowed to enter confined spaces:

1. Lines containing hazardous substances must be disconnected, blinded, or blocked.
2. The space must be emptied, flushed or purged.
3. The air must be tested for dangerous contamination or oxygen deficiency. Ventilation is required if testing reveals any hazard.

Working in a confined space where dangerous air contamination exists requires:

1. Appropriate respiratory protection.
2. Safety belt (or harness) protection.
3. One standby employee (with respirator).



CERTIFICATE OF INSURANCE

SET TAB STOPS AT ARROWS
ISSUE DATE (MM/DD/YY)

PRODUCER

R.C. FISCHER & COMPANY
INSURANCE—SURETY BONDS
1220 Oakland Blvd., Suite #300 • P.O. Box 8101
Walnut Creek, California 94596-8101
Phone (415) 932-7823

If calling from Oakland - Phone (415) 839-3015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY LETTER **A**

COMPANY LETTER **B**

COMPANY LETTER **C**

COMPANY LETTER **D**

REPUBLIC INDEMNITY COMPANY

COMPANY LETTER **E**

INSURED

Paradiso Construction Co.
9220 "G" Street
Oakland CA 94603

COVERAGES

THIS IS TO CERTIFY THAT POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS, AND CONDITIONS OF SUCH POLICIES.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIABILITY LIMITS IN THOUSANDS	
					EACH OCCURRENCE	AGGREGATE
	GENERAL LIABILITY					
<input type="checkbox"/>	COMPREHENSIVE FORM				BODILY INJURY	\$
<input type="checkbox"/>	PREMISES/OPERATIONS				PROPERTY DAMAGE	\$
<input type="checkbox"/>	UNDERGROUND EXPLOSION & COLLAPSE HAZARD				BI & PD COMBINED	\$
<input type="checkbox"/>	PRODUCTS/COMPLETED OPERATIONS				PERSONAL INJURY	\$
<input type="checkbox"/>	CONTRACTUAL					
<input type="checkbox"/>	INDEPENDENT CONTRACTORS					
<input type="checkbox"/>	BROAD FORM PROPERTY DAMAGE					
<input type="checkbox"/>	PERSONAL INJURY					
	AUTOMOBILE LIABILITY					
<input type="checkbox"/>	ANY AUTO				BODILY INJURY (PER PERSON)	\$
<input type="checkbox"/>	ALL OWNED AUTOS (PRIV PASS)				BODILY INJURY (PER ACCIDENT)	\$
<input type="checkbox"/>	ALL OWNED AUTOS (OTHER THAN PRIV. PASS)				PROPERTY DAMAGE	\$
<input type="checkbox"/>	HIRED AUTOS				BI & PD COMBINED	\$
<input type="checkbox"/>	NON-OWNED AUTOS					
<input type="checkbox"/>	GARAGE LIABILITY					
	EXCESS LIABILITY					
<input type="checkbox"/>	UMBRELLA FORM				BI & PD COMBINED	\$
<input type="checkbox"/>	OTHER THAN UMBRELLA FORM					
D	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY	PC994559	4/01/89	4/01/90	STATUTORY	
					\$1000	(EACH ACCIDENT)
					\$1000	(DISEASE-POLICY LIMIT)
					\$1000	(DISEASE-EACH EMPLOYEE)
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

JOB: ALL CALIFORNIA OPERATIONS

CERTIFICATE HOLDER

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY
OAKLAND, CA 94621

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL _____ DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Larry Robinson

10-2

POST IN A
CONSPICUOUS
PLACE

BUSINESS TAX CERTIFICATE

CITY OF OAKLAND

The issuing of a Business Tax Certificate is for revenue purpose only. It does not relieve the taxpayer from the responsibility of complying with the requirements of any other department of the City of Oakland and or any other ordinance, law or regulation of the City of Oakland, State of California, or any other governmental agency.



EXPIRES

DECEMBER 31, 1989

PLEASE READ REVERSE SIDE

ACCOUNT NUMBER

4219

BUSINESS NAME

PARADISO CONSTRUCTION CO

ADDRESS

9220 G ST

KIND OF BUSINESS

OAKLAND

CA 94603 - 0000

GENERAL BUILDING CONTRUCTOR

JF Papp



State of California

Department of Consumer Affairs

CONTRACTORS STATE LICENSE BOARD



License Number

259820

Entity

C O R P

Name/Namestyle

PARADISO CONSTRUCTION CO

Classification(s)

B C-8 C61/023 A C10

Expiration Date

08/31/91

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed (such as cryogenic focusing), and as they are accepted by EPA or DHS, they also can be used. GCMS using Focused Cryogenic procedures may be substituted for BTX&E,TPH or chlorinated hydrocarbon analyses.
2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.
3. APPROPRIATE STANDARDS for the material stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
4. TO AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.

5. PRACTICAL QUANTITATION/REPORTING LIMITS are matrix dependent. Those listed are provided for guidance and should be achievable in most instances. Practical quantitation reporting limits for the above soil and water analyses should be as follows:

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

When not achievable, sufficient justification should be submitted.

6. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractible hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.
7. TETRAETHYLLEAD (TEL) may be analyzed as total lead. However, a confirming analysis must be completed using a soil sample at the same soil depth in another borehole, or for water, from an upgradient well that is not contaminated with hydrocarbons.
8. CHLORINATED HYDROCARBONS (CL HC) and BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020, respectively, (or 8240) and for water 601 and 602, respectively, (or 624).
9. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used.

BARGHAUSEN CONSULTING ENGINEERS, INC.

"Land Planning, Survey, and Design Specialists"

November 15, 1989

FEDERAL EXPRESS

AS:2 11 11 10/89
Mr. Paul Haworth
Alameda County
Department of Environmental Service
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, CA 94612

RE: Underground Tank Permit Applications for the ARCO AM/PM Mini-Market
Located at 10600 MacArthur Boulevard, Oakland, California
ARCO FAC No. 267/Our Job No. 3455

Dear Mr. Howorth:

Enclosed are the following items for the above referenced project:


1. Underground Tank Closure Plan for removal of the four existing underground tanks;
2. A check in the amount of \$831.00 for the tank removal fee;
3. Three (3) sets of plans;
4. One form A and four Form B's for the new tank installation; and
5. A check in the amount of \$831.00 for the tank installation fees.

Please note that information regarding the contractor, the site safety plan, and physical aspects of the tank removal will be provided subsequent to selection of the contractor. The contractor will be selected by November 27th, 1989.

If further information is required, please feel free to contact the undersigned at our Sacramento office.

Thank you for your time and consideration.

Respectfully,



Frances W. Hedrick
Design Engineer

FWH/aw
606.64

enc: As Noted

cc: Mr. Ron Knutson, ARCO Products Company
Mr. Hank Sheetz, ARCO Products Company
Mr. Ron Miles, ARCO Products Company
Mr. Steve Welge, ARCO Products Company
Mr. Kyle Christie, ARCO Products Company (w/copy of applications)

DRAKE BUILDERS

5200 Panama Avenue
Richmond, CA 94804
Phone: 524-1177

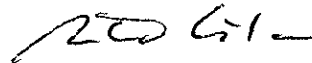
20 July 1989

Ariu Levi
Alameda County Hazardous Materials Program
80 Swan Way
Oakland, CA 94621

Dear Mr. Levi,

Find enclosed copy of soil-gas report at 10600 and 10700
MacArthur Blvd. in Oakland, indicating likely gasoline
contaminaton from the ARCO station at that location.

Sincerely,



Richard Gilcrease

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS
7-21-89

DRAKE BUILDERS
5200 Panama Avenue
Richmond, CA 94804

October 21, 1988

Mr. Ariu Levi
Alameda County Environmental
Health Department
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

Re: Foothill Square, Oakland, California

Dear Mr. Levi:

We are the owners of the above-referenced site located at 10700 MacArthur Boulevard in Oakland, CA. I understand that you spoke to Rod Chisessi of Hopkins Development Company about the discovery of certain soil and groundwater contamination at the site. He has asked me to send you some reports which you requested during your conversation.

A preliminary soil and groundwater quality testing program was performed by Kaldveer Associates of Oakland, California, in October of this year, for a property transfer audit of the site. Analytical results indicate the presence of various chemical compounds, primarily gasoline in the soil and groundwater in the northwest corner of the site.

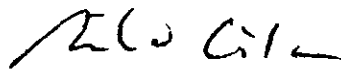
Presently, the USA/Olympic service station is operating at the site as well as an ARCO service station located northwest and adjacent to the property. Soil and groundwater testing of two borings located down-gradient from the USA/Olympic service station indicate no diesel, gasoline, benzene, toluene, xylene, or ethyl benzene were detected at or above the detection limits for these compounds. Groundwater samples obtained from a boring located just south of the ARCO service station had very strong gasoline-like odors and contained a black, free-floating product. Discolored soils were encountered during drilling of this boring. As a result, we feel the source of the problem is not directly within the boundary of our property.

Enclosed for your review is a copy of the Leak/Contamination Report which we filed with the California Regional Water Quality Control Board, a Preliminary Environmental Assessment dated October 3, 1988 and a Preliminary Soil, and Groundwater Quality Testing Program report dated October 7, 1988.

Mr. Ariu Levi
Page Two

I understand from Rod that you will review these materials and investigate your records to determine if the problem is in fact from an off-site source north of our property. I would appreciate it if you would advise me of your findings and the follow-up course of action.

Sincerely,



Drake Builders
by Richard Gilcrease

enclosures

DRAKE BUILDERS
5200 Panama Avenue
Richmond, CA 94804

November 3, 1988

RECEIVED
NOV 3 1988
HAZARDOUS MATERIALS/
WASTE PROGRAM

Mr. Ariu Levi
Alameda County Environmental
Health Department
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

RE: Foothill Square, Oakland, CA
10700 MacArthur Boulevard

Dear Mr. Levi:

I recently sent you information regarding certain soil and groundwater contamination at the above referenced site. Rod Chisessi of Hopkins Development Company tells me he recently spoke to you regarding this issue, but you had not received the information as of November 1.

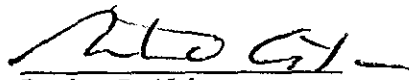
7677 OAK POINT

I am enclosing a copy of the information previously sent to you under separate cover dated October 21, 1988.

We suspect the contamination is coming from a gas station immediately next to our property to the north. I would appreciate any assistance your agency may be able to offer in determining if this off-site gas station is the source of our problem.

Thank you for your assistance.

Sincerely,


Drake Builders
by Richard Gilcrease

enclosures

524-1177 - DRAKE BUILDERS

569-4563 - ROD CHISESSI



PACIFIC
ENVIRONMENTAL
GROUP, INC.

July 17, 1989
Project No. 330-40.02

ARCO Petroleum Products Company
P.O. Box 5811
San Mateo, California 94403

Attn: Mr. Kyle Christie

RE: ARCO Station No. 0276
10600 MacArthur Boulevard at 106th Avenue
Oakland, California

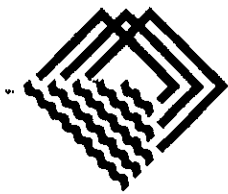
Dear Mr. Christie:

This letter presents the results of a soil gas investigation conducted by Pacific Environmental Group, Inc. (PACIFIC) at ARCO service station No. 0276, located at 10600 MacArthur Boulevard, Oakland, California (see Figure 1). Following is a preliminary report of the procedures and findings of the soil gas survey that was conducted on June 21 and 22, 1989.

The soil vapor probe locations were selected to define the extent of hydrocarbon migration southeast of the ARCO station. A total of sixteen soil gas probes were installed during the investigation and were sampled at two depth intervals: four on-site probes (P-1 to P-4) were set at depth intervals of 14 to 16 feet and 19 to 21 feet; and twelve off-site probes (P-5 to P-16) were set at depth intervals of 17 to 19 feet and 22 to 24 feet below grade. The three-foot difference in sampling depth between the on-site and off-site probes allowed similar elevation intervals to be sampled throughout the area of investigation. (The ARCO station is situated approximately three feet lower in elevation than the adjacent lot.)

The elevation intervals sampled were 39-41 feet mean sea level (MSL) for the shallower sampling interval, and 34-36 feet MSL for the deeper interval. MSL elevations were taken from Cross-Section A-A', prepared by Applied Geosystems in a preliminary report dated May 12, 1989.

The probes were constructed of 1/2-inch diameter steel pipe, with the lower two feet perforated with 3/16-inch holes. The probes were driven into the soil with pneumatic equipment.



PACIFIC
ENVIRONMENTAL
GROUP, INC.

October 17, 1988
Project No. 330-03.01

RECEIVED
OCT 20 1988

Alameda County Public Health
Hazardous Materials Section
470 27th Street, Room 322
Oakland, CA 94612

*Please send
distribution
MJB*

Attn: Mr. Ed Howell

Subject: ARCO Station #276
10600 MacArthur Blvd.
Oakland, CA 94605

Dear Mr. Howell:

Enclosed is the Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report for the subject ARCO Petroleum Products Company Station. Please distribute the report as noted in the instructions on the reverse side of the form.

Should you have any questions or comments regarding this matter, please do not hesitate to call Mr. Kyle Christie of ARCO at (415) 571-2434.

Sincerely,

PACIFIC ENVIRONMENTAL GROUP, INC.

Tina Berry

Tina Berry
Geologist

enclosure

cc: Mr. Kyle Christie
ARCO Petroleum Products Company

290 Fac FILE

b/21

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	
REPORT DATE 1 M 0 M 1 D 4 D 8 Y 8 Y		CASE #	
FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Tina Berry		PHONE (408)984-6536
	SIGNATURE <i>Tina Berry</i>		As Agent for ARCO
	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 Pacific Environmental Group, Inc.
RESPONSIBLE PARTY	ADDRESS 1601 Civic Center Drive, Suite 202, Santa Clara CA 95050		
	NAME ARCO Petroleum Products <input type="checkbox"/> UNKNOWN		CONTACT PERSON Mr. Kyle Christie
	ADDRESS 2000 Alameda de las Pulgas, Suite 218, San Mateo CA 94402		PHONE (415) 571-2434
SITE LOCATION	FACILITY NAME (IF APPLICABLE) ARCO Station #276		OPERATOR Kien V. Pham/ Hao P. Nguyen
	ADDRESS 10600 MacArthur Blvd. Oakland Alameda 94605		PHONE (415) 638-2271
	CROSS STREET 106th Ave.	TYPE OF AREA <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER	TYPE OF BUSINESS <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Public Health Hazardous Materials Section		CONTACT PERSON Ed Howell
	REGIONAL BOARD San Francisco Bay Region		PHONE (415) 271-4320 (415) XXXXXXXX
SUBSTANCES INVOLVED	(1) Waste Oil		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2)		<input type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 M 9 M 2 D 9 D 8 Y 8 Y		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER Soil sample collection
	DATE DISCHARGE BEGAN M M D D Y Y <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE M M D D Y Y		unknown
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		TANKS ONLY/CAPACITY 550 (?) GAL. AGE _____ YRS <input type="checkbox"/> UNKNOWN
	MATERIAL <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER
CASE TYPE	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 checked="" type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES		
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"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input checked="" type="checkbox"/> OTHER (OT) To Be Determined		
COMMENTS			

White - env. health
 yellow - facility
 pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III
 Today's Date: 1/29/88

Site ID # _____ Site Name 10200 MacArthur Blvd # 276

Site Address 10200 MacArthur Blvd

City Oakland Zip 94605 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:

- Excavation required to be covered with 2 inch planks, 11' period or some other measure to ensure public safety after tank is pulled.
 All excavated soil must be covered with a cover unless it is immediately hauled as hazardous waste.
 - 2 samples must be taken from each end of tank - obvious contamination. Sample 1-2' below tank / 1' into soil.
 - Tank is 550 gallons, not 280 gallons as previously thought.

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MAT'L

- 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(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

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

- Monitoring for Existing Tanks**
- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
Semi-annual groundwater
One time soils
 - 3) Daily Vadose
One time soils
Annual tank test
 - 4) Monthly 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. 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: _____

Contact: CROSBY & OVERTON
 Title: FIELD SUPERVISOR
 Signature: [Signature]

Inspector: [Signature]
 Signature: [Signature]

II, III

9-26-88

9/26/88

ACCEPTED Mfgms
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

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

470 - 27TH ST., RM. 322

OAKLAND, CA 94612

PHONE NO. 415/874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to our plans indicated by this Department are to insure compliance with State and local laws. The permit application must be reviewed for issuance of any permit of building permits or construction. One copy of these accepted plans must be on the job and available to all contractors and circulation involved with the removal.

Any change or alteration of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- Removal of Tank and Piping
- Sampling
- Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

SEP 2 1988
HAZARDOUS MATERIALS/WASTE PROGRAM

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name ARCO PETROLEUM PRODUCTS COMPANY
Business Owner ATLANTIC RICHFIELD COMPANY / CHASE JIANNALONE 415-571-2271
2. Site Address 10600 MACARTHUR BLVD
City OAKLAND, CA Zip 94605 Phone 415/638-2271
3. Mailing Address P.O. BOX 5811
City SAN MATEO, CA Zip 94402 Phone 415/571-2400
4. Land Owner ARCO PETROLEUM
Address 2000 ALAMEDA DE LAS PULGAS City, State SAN MATEO, CA Zip 94402
5. EPA I.D. No. CAC000092645
6. Contractor CROSBY & OVERTON, EMI
Address 8430 AMELIA ST.
City OAKLAND, CA 94621 Phone 415/633-0336
License Type GENERAL ENGINEERING "A" ID# 502446
7. Other (Specify) _____
Address _____
City _____ Phone _____

8. Contact Person for Investigation

Name CROSBY & OVERTON, EMI / RON CADIZ Title SITE MITIGATION MANAGER

Phone 415/633-0336

9. Total No. of Tanks at facility 5 closure

10. Have permit applications for all tanks been submitted to this office? Yes [] No []

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name CROSBY & OVERTON, EMI EPA I.D. No. CAD 981 461 064

Address 8430 AMELIA ST

City OAKLAND State CA Zip 94621

b) Rinsate Transporter

Name CROSBY & OVERTON, EMI EPA I.D. No. CAD 981 461 064

Address 8430 AMELIA ST.

City OAKLAND, State CA Zip 94621

c) Tank Transporter

Name CROSBY & OVERTON, EMI EPA I.D. No. CAD 981 461 064

Address 8430 AMELIA ST.

City OAKLAND, State CA Zip 94621

d) Contaminated Soil Transporter

Name CROSBY & OVERTON, EMI EPA I.D. No. CAD 981 461 064

Address 8430 AMELIA ST.

City OAKLAND, State CA Zip 94621

12. Sample Collector

Name Sandra Brune

Company PACIFIC ENVIRONMENTAL GROUP

Address 1601 CIVIC CENTER DR. SUITE 202

City SANTA CLARA State CA Zip 95050 Phone 408/984-6536

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
280 GAL.	WASTE OIL	SOIL <i>(groundwater if present)</i>	3'-4' DEPTH - SEE PLOT PLAN FOR LOCATION <i>1-2' below fill & opposite end of tank</i>

550

14. Have tanks or pipes leaked in the past? Yes [] No [X]

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes [X] No []

If yes, describe. 1.5 LBS OF DRY ICE PER 100 GALS. TANK VOLUME

1.15 lb. minimum

16. Laboratories

Name INTERNATIONAL TECHNOLOGIES

Address 2055 JUNCTION AVE

City SAN JOSE State CA Zip 95131

State Certification No. 137

** Explosion proof, combustible gas meter required on-site to verify tank tightness*

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
<p>AUTOMOBILE DRAIN OIL BTX-E</p> <p>TPH (GTD) TOG BTX/E el-Hes.</p>	<p>TPH - HIGH BOILERS-5330 BTX-E 503-E - 5330 8010 8020</p> <p>8240</p>	

18. Site Safety Plan submitted? Yes No

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer STATE COMPENSATION INSURANCE FUND

20. Plot Plan submitted? Yes No

21. Deposit enclosed? Yes No

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

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

I will notify the Department of Environmental Health at least two (2) working days (48 hours) in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) MARK PECORARO - GENERAL MANAGER

✓ Signature *Mark Pecoraro*

Date 9/12/88

Signature of Site Owner or Operator

Name (please type) ON BEHALF OF ARCO - MARK A. PECORARO

✓ Signature *Mark Pecoraro*

Date 9/12/88

NOTES:

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

ARCO Petroleum Products Company

2000 Alameda de las Pulgas

Mailing Address: Box 5811

San Mateo, California 94402

Telephone 415 571 2400

September 15, 1988

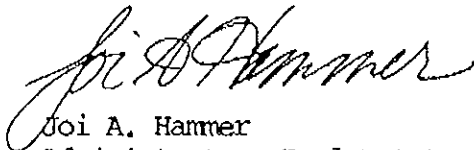
County of Alameda Health Department
80 Swan Way, Room 200
Oakland, CA 94621

ARCO Products Company would like to hereby grant Crosby & Overton of Oakland, CA permission to sign as agents of ARCO for the purpose of securing permits for waste oil tank removals at the ARCO facilities listed below.

ARCO SS# 276 - Macarthur/10th Ave.
Oakland, CA "

ARCO SS# 498 - 286 S. Livermore
Livermore, CA

ARCO SS# 4494 - 566 Hegenberger Rd.
Oakland, CA



Joi A. Hammer
Administrator, Real Estate & C&M

/lkw

cc: C. J. Jiannalone
R. L. Knutson
H. H. Sheetz
A. P. Weible
L. K. Wood

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS ✓

ATTACHMENT A
SAMPLING RESULTS

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

INSTRUCTIONS

2. SITE ADDRESS

Address at which closure or modification is taking place.

5. EPA I.D. NO.

This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR

Prime contractor for the project.

7. OTHER

List professional consultants here.

12. SAMPLE COLLECTOR

Persons who are collecting samples.

13. SAMPLING INFORMATION

Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES

Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:

All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:

Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN

A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

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

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

CONTRACTORS STATE LICENSE BOARD

No. 502446

Building Quality

ISSUED 12-08-86

This license is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason. It becomes void if not renewed.

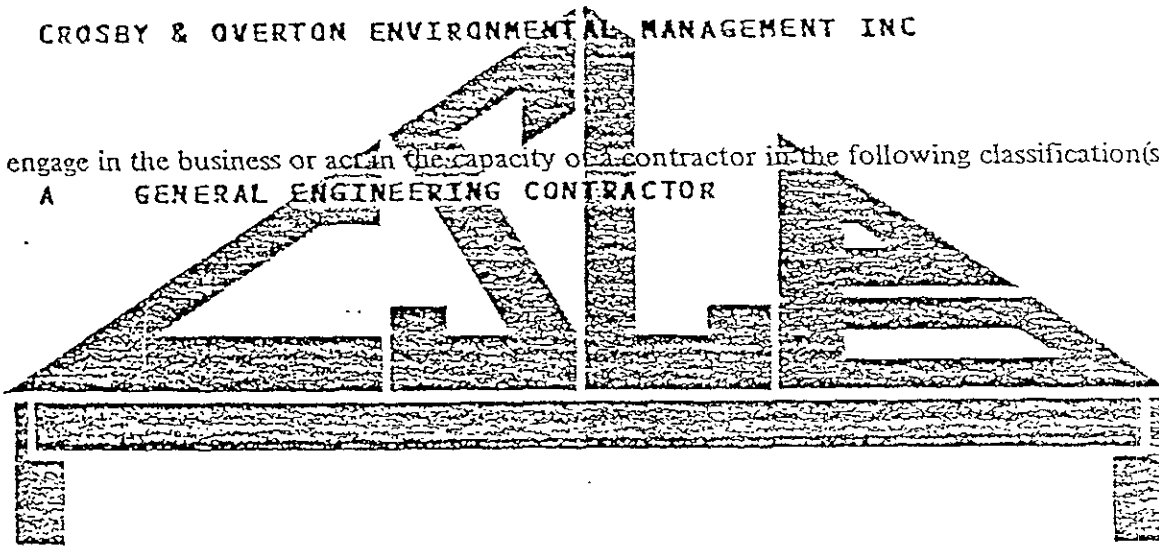
Contractor's License

Pursuant to the provisions of Chapter 9 of Division 3 of the Business and Professions Code and the Rules and Regulations of the Contractors State License Board, the Registrar of Contractors does hereby issue this license to:

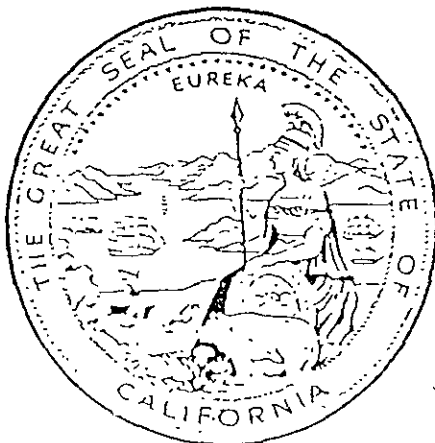
CROSBY & OVERTON ENVIRONMENTAL MANAGEMENT INC

to engage in the business or act in the capacity of a contractor in the following classification(s):

A GENERAL ENGINEERING CONTRACTOR



WITNESS my hand and sealed this
16TH day of DECEMBER 1986.



J. J. Maloney
Registrar of Contractors

Ernest D. Brown
Signature of Licensee

Joseph C. ...
Signature of person who qualified
on behalf of the licensee
Joseph C. ...

STATE AND CONSUMER SERVICES AGENCY
DEPARTMENT OF CONSUMER AFFAIRS



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

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

AUGUST 26, 1988

POLICY NUMBER: 0802177 - 88
CERTIFICATE EXPIRES: 4-1-89

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ³⁰~~ten~~ days' advance written notice to the employer.

We will also give you ~~TEN~~ ³⁰ days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

John A. Skett
PRESIDENT

ENDORSEMENT #2055 ENTITLED CERTIFICATE HOLDERS' NOTICE EFFECTIVE 08/26/88 IS ATTACHED TO AND FORMS A PART OF THIS POLICY.

EMPLOYER

CROSBY AND OVERTON, INC.
1610 W. 17TH STREET
LONG BEACH
CA 90813

* NOT TO SCALE

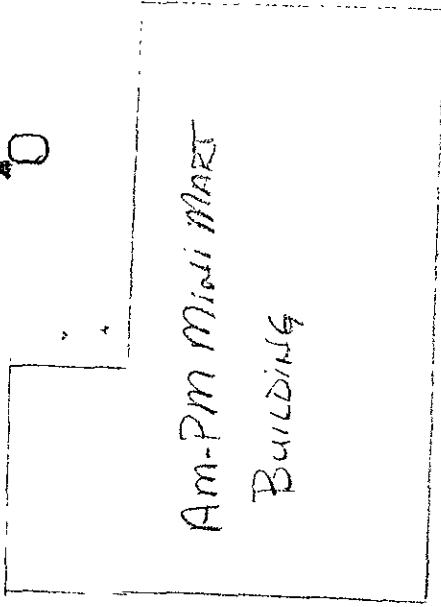
PLOT PLAN

10600 McARTHUR BLVD.

280 GAL WASTE
OIL TANK



NORTH



106TH AVENUE

McARTHUR BOULEVARD

1

JANUARY 1987

GENERAL SAFETY RULES

1. ALL INJURIES, NO MATTER HOW SLIGHT, SHALL BE REPORTED IMMEDIATELY TO YOUR SUPERVISOR OR THE SAFETY DEPARTMENT.
2. GOOD HOUSEKEEPING IS YOUR SAFETY RESPONSIBILITY. KEEP YOUR WORK AREA, JOB SITE, TRUCK, ETC IN GOOD SHAPE.
3. UNAUTHORIZED OPERATING OR TAMPERING WITH EQUIPMENT IS PROHIBITED. SUPERVISION (ONLY) MAY DESIGNATE AUTHORIZED AND COMPETENT EQUIPMENT OPERATORS.
4. OPERATING OF EQUIPMENT OR MACHINERY HAVING A "DANGER - DO NOT OPERATE" TAG OR "RED TAG" IS PROHIBITED.
5. REPORT ANY UNSAFE CONDITION AT ONCE TO YOUR SUPERVISOR OR SAFETY DEPARTMENT.
6. HORSEPLAY, SCUFFLING, THROWING MATERIALS OR EQUIPMENT IS PROHIBITED.
7. INTOXICANTS OR ILLEGAL DRUGS OR PERSONS UNDER THEIR INFLUENCE SHALL NOT BE TOLERATED IN THE WORK ENVIRONMENT. THIS WILL RESULT IN IMMEDIATE DISCHARGE.
8. ENTRY INTO ANY CONFINED SPACE SHALL NOT BE MADE UNTIL THE ENTRY PERMIT PROCEDURE HAS BEEN COMPLETED BY APPROPRIATE, AUTHORIZED PERSONNEL.
9. A TAILGATE SAFETY MEETING SHALL BE GIVEN BY THE LEADMAN OR SUPERVISOR BEFORE THE START OF EACH JOB OR AT LEAST ONCE A DAY. THIS MEETING MUST BE DOCUMENTED ON ENTRY PERMIT OR SAFETY MEETING FORM.
10. APPROPRIATE SAFETY EQUIPMENT, PERSONAL PROTECTIVE EQUIPMENT AND OTHER DESIGNATED CLOTHING MUST BE WORN ON ALL JOB SITES AS PROVIDED IN SAFETY RULES OR AS SPECIFIED BY SUPERVISION.
11. REPORT ON APPROPRIATE FORM ANY UNSAFE EQUIPMENT OR MACHINERY.
12. FOLLOWING PERSONAL PROTECTIVE GEAR SHALL BE WORN AT ALL JOB SITES:
 1. SUBSTANTIALLY CONSTRUCTED SHOES, (NO CLOTH, TENNIS OR SOFT TOE SHOE) OR STEEL TOE BOOTS.
 2. EYE PROTECTION - GLASSES, GOGGLES OR FACE SHIELD
 3. HARD HAT
13. WHEN WORKING IN CONFINED SPACES, IN WET AREAS AND OTHER DESIGNATED JOB SITES, LOW VOLTAGE LIGHTING OR BATTERY POWERED LANTERNS ARE THE ONLY ACCEPTABLE LIGHTING ALTERNATIVES. IF HYDRO CARBONS ARE POTENTIALLY PRESENT - LIGHTING MUST ALSO BE EXPLOSION PROOF.
14. NEVER OPERATE, CLEAN, ADJUST OR REPAIR ANY MACHINE WHILE GUARDS OR OTHER SAFETY DEVICES ARE REMOVED. ALL GUARDS MUST BE BACK IN PLACE BEFORE STARTING MACHINERY INTO OPERATION.

15. KNOW AND FOLLOW SPECIFIC SAFETY RULES RELATING TO THE SPECIFIC JOB WHICH YOU ARE DOING.
16. FLAMMABLE LIQUIDS (FLASH POINT LESS THAN 100°F) SHALL NOT BE INTRODUCED INTO ANY CONFINED SPACE. FLAMMABLE LIQUID USED ANYWHERE ELSE MUST HAVE SAFETY APPROVAL.
17. DO NOT "HOT WASH" OR STEAM CLEAN CLOTHING OR BOOTS WHILE BEING WORN. THEY MUST BE REMOVED FOR SUCH CLEANING.
18. EMPLOYEES WITH BEARDS, LONG HEAVY SIDEBURNS OR LARGE MUSTACHES WILL NOT BE USED ON JOBS REQUIRING RESPIRATORY EQUIPMENT.
19. DO NOT USE DEFECTIVE OR IMPROPER TOOLS/EQUIPMENT TO DO THE JOB. BROKEN OR MAKE SHIFT EQUIPMENT CAN CAUSE SERIOUS ACCIDENTS.
20. SMOKING SHALL BE PERMITTED ONLY IN DESIGNATED AREAS. NORMALLY THE CUSTOMER AND/OR SUPERVISOR WILL DESIGNATE THE AREAS.
21. ALWAYS BE AWARE AND KEEP A SAFE DISTANCE FROM POTENTIAL PINCH, CRUSH OR NIP POINTS. STAND CLEAR OF HEAVY EQUIPMENT (I.E. OUTSIDE THEIR WHEEL BASE OR ARC OF SWING). NEVER STAND OR WALK BENEATH SUSPENDED OR PRECARIOUS LOADS.
22. WET OR SLIPPERY SURFACES AND TRIPPING HAZARDS ARE ALWAYS A POTENTIAL PROBLEM AT OUR JOB SITES. ALWAYS WALK CAREFULLY AND LOOK BEFORE YOU STEP IN ORDER TO AVOID FALLS.
23. WHEN WORKING ABOVE GRADE LEVEL BY MORE THAN SIX (6) FEET, FALL PROTECTION SHALL BE PROVIDED, (I.E. SAFETY BELT, LIFE LINE)
24. WHEN WORKING FIVE (5) FEET BELOW GRADE LEVEL, IN AN EXCAVATION WITH VERTICAL WALLS, SHORING SHALL BE PROVIDED PRIOR TO BEGINNING JOB. IF QUESTION ARISES, CONTACT SAFETY OFFICE.
25. SITE TO BE BARRICADED IN A 25; RADIUS OF EXCAVATION FOR TRAFFIC CONTROL.
26. EXCAVATION TO BE BARRICADED WHEN WORK DAY IS FINISHED.

9-1-88

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
470 - 27TH ST., RM. 322
OAKLAND, CA 94612
PHONE NO. 415/874-7237

Project # 1524590
Fee Paid \$ 300.00
Date 9/1/88

See museum

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

- 1. Business Name ARCO PETROLEUM PRODUCTS COMPANY
Business Owner ATLANTIC RICHFIELD COMPANY
- 2. Site Address STATION #276 10600 MACARTHUR BLVD.
City OAKLAND, CA Zip 94605 Phone 415/638-2271
- 3. Mailing Address P.O. BOX 5811
City SAN MATEO, CA Zip 94402 Phone 415/571-2400
- 4. Land Owner ARCO PETROLEUM
Address 2000 ALAMEDA DE LAS PULGAS City, State SAN MATEO, CA Zip 94402
- 5. EPA I.D. No. _____
- 6. Contractor CROSBY & OVERTON, EMI
Address 8430 AMELIA ST.
City OAKLAND, CA 94621 Phone 415/633-0336
License Type GENERAL ENGINEERING "A" ID# 502446
- 7. Other (Specify) _____
Address _____
City _____ Phone _____

8. Contact Person for Investigation

Name RON CADIZ Title SITE MITIGATION MANAGER
Phone 415/633-0336

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office? Yes [] No []

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name CROSBY & OVERTON, EMI EPA I.D. No. CAD 981 461 064
Address 8430 AMELIA ST
City OAKLAND State CA Zip 94621

b) Rinsate Transporter

Name CROSBY & OVERTON, EMI EPA I.D. No. CAD 981 461 064
Address 8430 AMELIA ST.
City OAKLAND, State CA Zip 94621

c) Tank Transporter

Name CROSBY & OVERTON, EMI EPA I.D. No. CAD 981 461 064
Address 8430 AMELIA ST.
City OAKLAND, State CA Zip 94621

d) Contaminated Soil Transporter

Name CROSBY & OVERTON, EMI EPA I.D. No. CAD 981 461 064
Address 8430 AMELIA ST.
City OAKLAND, State CA Zip 94621

12. Sample Collector

Name _____
Company PACIFIC ENVIRONMENTAL GROUP
Address 1601 CIVIC CENTER DR. SUITE 202
City SANTA CLARA State CA Zip 95050 Phone 408/984-6536

TOEN

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
280 GAL.	WASTE OIL	SOIL	3' - 4' DEPTH - SEE PLOT PLAN FOR LOCATION 1-2' below fuel & opposite end of tank -

14. Have tanks or pipes leaked in the past? Yes [] No [x]

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes [x] No []

If yes, describe. 1.5 LBS. OF DRY IC PER 100 GALS. OF TANK VOLUME
∴ 15 pound minimum

16. Laboratories

Name INTERNATIONAL TECHNOLOGIES
 Address 2055 JUNCTION AVE
 City SAN JOSE State CA Zip 95131
 State Certification No. 137

* Explosion proof, combustible gas meter required on-site to verify tank inertness

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
AUTOMOBILE DRAIN OIL TDC	TPH BTX-E 503-E 8010 8020 8 G+D	503-E 8015 8240

18. Site Safety Plan submitted? Yes [X] No []

19. Workman's Compensation: Yes [X] No []

Copy of Certificate enclosed? Yes [X] No []

Name of Insurer OLSON-DYE INSURANCE

20. Plot Plan submitted? Yes [X] No []

21. Deposit enclosed? Yes [X] No []

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

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

I will notify the Department of Environmental Health at least two (2) working days (48 hours) in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) MARK PECORARO - GENERAL MANAGER

Signature _____

Date _____

Signature of Site Owner or Operator

Name (please type) _____

Signature _____

Date _____

NOTES:

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

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

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

INSTRUCTIONS

2. SITE ADDRESS

Address at which closure or modification is taking place.

5. EPA I.D. NO.

This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR

Prime contractor for the project.

7. OTHER

List professional consultants here.

12. SAMPLE COLLECTOR

Persons who are collecting samples.

13. SAMPLING INFORMATION

Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES

Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:

All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:

Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN

A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

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

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



CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)
4-4-88

PRODUCER

OLSON-DYE INSURANCE
3880 SE HARRISON ST.
PO BOX 22112
MILWAUKIE, OR 97222
PHONE: 653-0602

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A	EAGLE PACIFIC INS. CO. & PACIFIC STATES INS. CO.
COMPANY LETTER B	
COMPANY LETTER C	
COMPANY LETTER D	
COMPANY LETTER E	

INSURED

CROSBY & OVERTON, INC.
1610 W. 17TH STREET
LONG BEACH, CA 90813

COVERAGES

THIS IS TO CERTIFY THAT POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS, AND CONDITIONS OF SUCH POLICIES.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS	
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCURRENCE <input type="checkbox"/> OWNERS & CONTRACTORS PROTECTIVE				GENERAL AGGREGATE	\$
					PRODUCTS COMPO OPS AGGREGATE	\$
					PERSONAL & ADVERTISING MALPRACTICE	\$
					EACH OCCURRENCE	\$
					FIRE DAMAGE (ANY ONE FIRE)	\$
					MEDICAL EXPENSE (ANY ONE PERSON)	\$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY				CSL	\$
					BODILY INJURY (PER PERSON)	\$
					BODILY INJURY (PER ACCIDENT)	\$
					PROPERTY DAMAGE	\$
	EXCESS LIABILITY <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE	\$
					AGGREGATE	\$
A	XXXXXXXXXXXXXXXXXXXX XXX EMPLOYERS' LIABILITY USL & H	To Be Issued	4-1-88	4-1-89	STATUTORY	\$ 100,000 (EACH ACCIDENT)
						\$ 500,000 (DISEASE-POLICY LIMIT)
						\$ 100,000 (DISEASE-EACH EMPLOYEE)
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS

"Limits shown are those in effect as of policy inception"

CERTIFICATE HOLDER

NONE

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES

AUTHORIZED REPRESENTATIVE *Stu Hunter*
J. STUART HUNTER OLSON-DYE INSURANCE

ORC CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

12/04/87

ED. S. JAMES & COMPANY OF CA
 35 WILSHIRE BOULEVARD
 S ANGELES, CA 90010

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

ED
 OSBY & OVERTON INC.
 10 WEST 17TH ST
 NG BEACH CA 90813

COMPANY LETTER A	LLOYDS & BRITISH COMPANIES
COMPANY LETTER B	INDUSTRIAL INDEMNITY
COMPANY LETTER C	LLOYDS & BRITISH COMPANIES
COMPANY LETTER D	
COMPANY LETTER E	

RANGES
 THIS IS TO CERTIFY THAT POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. WITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS, AND CONDITIONS OF SUCH POLICIES.

TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIABILITY LIMITS IN THOUSANDS		
				PER OCCURRENCE	AGGREGATE	
GENERAL LIABILITY <input checked="" type="checkbox"/> COMPREHENSIVE FORM <input checked="" type="checkbox"/> PREMISES/OPERATIONS <input checked="" type="checkbox"/> UNDERGROUND EXPLOSION & COLLAPSE HAZARD <input checked="" type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS <input checked="" type="checkbox"/> CONTRACTUAL <input checked="" type="checkbox"/> INDEPENDENT CONTRACTORS <input checked="" type="checkbox"/> BROAD FORM PROPERTY DAMAGE <input checked="" type="checkbox"/> PERSONAL INJURY	PWT/D/1555	11/20/87	11/20/88	BODY INJURY \$ PROPERTY DAMAGE \$ BI & PD COMBINED \$ 1000 PERSONAL INJURY \$	\$	\$ 1000
AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS (PRIV PASS) <input checked="" type="checkbox"/> ALL OWNED AUTOS (OTHER THAN PRIV PASS) <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY	NA9018451	11/20/87	11/20/88	BODY INJURY (PER PERSON) \$ BODY INJURY (PER ACCIDENT) \$ PROPERTY DAMAGE \$ BI & PD COMBINED \$ 500		
EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input checked="" type="checkbox"/> OTHER THAN UMBRELLA FORM WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY	PWT/D/1555	11/20/87	11/20/88	BI & PD COMBINED \$ 500 STATUTORY \$ (EACH ACCIDENT) \$ (DISEASE-POLICY LIMIT) \$ (DISEASE EACH EMPLOYEE)	\$	\$ XAUTO
OTHER						

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS
 CERTIFICATE HOLDER IS NAMED AS ADDITIONAL INSURED.

CERTIFICATE HOLDER

CANCELLATION

For Information Only

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

RO Osborn

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Director



Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, CA 94621

Telephone Number: (415) 271-4320

October 6, 1988

Arco Petroleum Products Co.
c/o Ron Cadiz
Crosby & Overton, EMI
8430 Amelia Street
Oakland, CA 94621

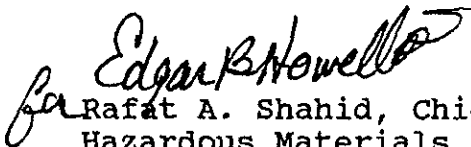
SUBJECT: Underground Tank Closure, 10600 MacArthur Blvd.,
Oakland, CA 94605

Dear Mr. Cadiz:

This is to inform you that the original deposit of \$300.00, has been expended and an additional \$300.00 deposit is now required. Please be aware that, depending on the sample analysis results from the above site and possible future site mitigation activities, additional deposits may be necessary in the future.

Should you have any questions concerning this matter, please contact, Mary Jo Meyers-Barnes, Hazardous Materials Specialist, at 271-4320.

Sincerely,


Rafat A. Shahid, Chief,
Hazardous Materials Program

RAS:MJM:mnc

cc: Arco Petroleum Producers
Mary Jo Meyers-Barnes
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Director



Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, CA 94621

Telephone Number: (415) 271-4320

October 6, 1988

Arco Petroleum Products Co.
c/o Ron Cadiz
Crosby & Overton, EMI
8430 Amelia Street
Oakland, CA 94621

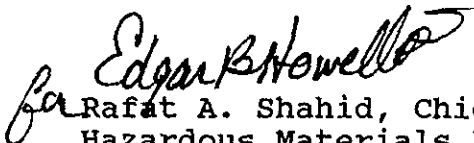
SUBJECT: Underground Tank Closure, 10600 MacArthur Blvd.,
Oakland, CA 94605

Dear Mr. Cadiz:

This is to inform you that the original deposit of \$300.00, has been expended and an additional \$300.00 deposit is now required. Please be aware that, depending on the sample analysis results from the above site and possible future site mitigation activities, additional deposits may be necessary in the future.

Should you have any questions concerning this matter, please contact, Mary Jo Meyers-Barnes, Hazardous Materials Specialist, at 271-4320.

Sincerely,


Rafat A. Shahid, Chief,
Hazardous Materials Program

RAS:MJM:mnc

cc: Arco Petroleum Producers
Mary Jo Meyers-Barnes
Files

October 6, 1987

Arco Petroleum Products Company
c/o Ron Cadley
Crosby & Overton, EM1
8430 Amelia St.
Oakland, CA 94621

Please type
and send
out -
thanks

SUBJECT: Underground Tank closure, 10600 MacArthur Blvd
Oakland CA 94605
Dear Mr. Cadley:

This is to inform you that the original deposit of \$300.00 has been expended, and an additional \$300.00 deposit is now required. ~~at this time~~ Please be aware that depending on the sample analysis results from the above site, and possible future site mitigation activities, additional deposits maybe ~~required~~ necessary in the future.

Should you have any questions concerning this matter, please contact ~~me~~ Ms Mary Jo Meyers-Bair Hazardous Materials Specialist at 271-4320

Sincerely,

RAS, C

HMP

CC Files, mjm-B, Arco Petroleum Products (P.O. Box 5811
San Mateo CA 94401)

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 AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE.	
REPORT DATE M / M / D / D / Y / Y		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Lloyd Colvin		PHONE (415) 524-1177		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 Drake Builders		
	ADDRESS 5200 Panama Avenue Richmond CA 94804				
RESPONSIBLE PARTY	NAME <input type="checkbox"/> UNKNOWN		CONTACT PERSON		PHONE ()
	ADDRESS				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Foothill Square		OPERATOR Lloyd & Iris Colvin of Drake Builders		PHONE (415) 524-1177
	ADDRESS 10700 MacArthur Blvd. Oakland CA Alameda 94605				
	CROSS STREET 108th Avenue		TYPE OF AREA <input checked="" type="checkbox"/> RESIDENTIAL <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> OTHER		TYPE OF BUSINESS <input type="checkbox"/> FARM <input checked="" type="checkbox"/> OTHER retail
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Health Agency		CONTACT PERSON Ed Howell		PHONE (415) 271-4320
	REGIONAL BOARD San Francisco Bay Region		CONTACT PERSON Lester Feldman		PHONE (415) 464-1255
SUBSTANCES INVOLVED	(1) NAME Petroleum Fuel Hydrocarbons with BTXE				QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2)				<input checked="" type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED 1 / 0 / 0 / 7 / 8 / 8		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> INVENTORY CONTROL <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"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, DATE				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN		TANKS ONLY/CAPACITY AGE _____ YRS <input checked="" type="checkbox"/> UNKNOWN		MATERIAL <input type="checkbox"/> FIBERGLASS <input type="checkbox"/> STEEL <input type="checkbox"/> OTHER
	<input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER				CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER
CASE TYPE	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)				
	CHECK ONE ONLY <input checked="" type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES				
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"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT) <u>No actions have been taken to date</u>				
	COMMENTS The site is currently a shopping center. Preliminary soil and groundwater testing of the site indicates contaminated soil and groundwater are present in the northwest corner of the site. Analytical results indicated presence of various chemical compounds, primarily gasoline.				