

Atlantic Richfield Company

Mr. Paul Supple
Environmental Business Manager

JUN 03 2002

P. O. Box 6549
Moraga, CA 94570
925-299-8891
E-mail: supplpv@bp.com

May 30, 2002

Mr. Amir Gholami
Alameda County Health Care
Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

for
3942
SAD

**Re: Change of Environmental Consultant
ARCO facilities in Alameda County, California
Effective date: June 1, 2002**

Dear Mr. Gholami:

In an effort to provide better remediation services to our customers and stakeholders, including the regulatory communities with whom we interact and value, please be advised that BP's environmental company, the Atlantic Richfield Company (an affiliated company of BP), has undertaken a consolidation of its environmental remediation services. This consolidation effort has extended nationwide and has included existing and former ARCO service stations located in the western United States as well as the Amoco and BP marketing regions throughout the remainder of the United States.

We have completed this undertaking. Consequently, many of our suppliers and consultant assignments have changed. ~~Please be advised that the environmental remediation services for the ARCO sites listed in Attachment A, as of the effective date, will be performed by~~

**URS CORPORATION
500 12th Street, Suite 200
Oakland, CA 94607-4014
Project contact person: Mr. Scott Robinson
Telephone: 510-893-3600**

BP values the professional respect and courtesy you have shown our previous environmental supplier and trusts that you will find the new environmental supplier equally deserving. There may be some initial challenges in the site transition and "learning curve" process, but rest assured that a very formal process has been implemented to minimize these challenges, and that we in BP are committed to a successful transition, one that yields improved quality service and responsiveness.

Please provide this letter to your staff so that the appropriate case workers can forward future correspondence regarding their ARCO service station environmental projects to me (at the letterhead address listed above) with a copy of the correspondence to Mr. Scott Robinson.

A BP affiliated company



Should you have any questions or comments in the interim, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "Paul Supple".

Paul Supple
Environmental Business Manager
Alameda County, California

Attachment A
List of Sites

Site	Address	City	County	State	Zip
5387	2020 Hesperian Boulevard	Hayward	Alameda	CA	94541
6002	6235 Seminary Avenue	Oakland	Alameda	CA	94605
2111	1156 Davis Street	San Leandro	Alameda	CA	94578

3942
SND
SND 744

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director



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

20163

STID 3942

May 22, 2001

Mr. Steve Lofholm
The IT Group
1433 North Market Blvd.
Sacramento, CA 95834

RE: ARCO Station No 6002 at 6235 Seminary Ave., Oakland

Dear Mr. Lofholm:

I am in receipt of First Quarter Monitoring Report dated April 25, 2001, by Mr. Ron Scheele of Cambria Environmental Technology Inc. regarding the above referenced site. It seems that The It Group Corporation is no longer providing consulting services regarding the above referenced site, and that Cambria Environmental has taken over the clean up project. I have reviewed the above document and would like to make the following comments:

- The MW-5 and VW-4 wells represent the wells with the highest concentrations of pollutants including TPHG, Benzene, and MTBE. MW-5 well revealed 8,840ppb TPHG, 33.9ppb benzene, and 352ppb of MTBE. VW-4 well, indicated 1,400ppb TPHG, 9.42ppb benzene, and 3,570ppb of MTBE. Both wells indicate a decrease in the concentrations of MTBE. However, there was a slight increase in concentration of Benzene in MW-5.
- Per figure 1 and table 2 of the above document, the groundwater flow gradient is West-Southwesterly at 0.074 ft/ft.
- Please ensure that all Quarterly Monitoring Reports are submitted in a timely manner.
- I concur with the work proposed for the next quarter as suggested by Mr. Ron Scheele of Cambria Environmental Technology Inc within this report dated April 25th, 2001.

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

Sincerely,


Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Paul Supple, ARCO, P.O. Box 6549 Moraga, CA 94570
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



STID 3942

February 14, 2001

Mr. Chuck Carmel
ARCO
4 Center Point Drive
La Palma, CA 90623-1066

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

RE: ARCO Station No 6002 at 6235 Seminary Ave., Oakland

Dear Mr. Carmel:

I am in receipt of "Fourth Quarter 2000 Monitoring Report" dated January 15, 2001, by Mr. Ron Scheele of Cambria Environmental Technology Inc.

I have reviewed the above document and would like to make the following comments regarding this document:

As in the past, the MW-5 and VW-4 are the wells with the highest concentrations of the constituents. The MW-5 well indicated 7,030ppb TPHG, 19.7ppb benzene, and 445ppb of MTBE. VW-4 well, on the other hand, revealed up to 1,390ppb TPHG, 18.5ppb benzene, and 8,840ppb of MTBE. Both MW-5 and VW-4 well indicates an increase in the concentrations of Benzene and MTBE.

The flow gradient is to the west-southwest at 0.08 ft/ft according to figure 1 within this report.

I concur with Mr. Ron Scheele of Cambria Environmental regarding the work proposed for the next quarter as indicated in the above report dated January 15, 2001.

Should you have any questions, please do not hesitate to call me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Ron Scheele, Cambria Environmental Technology Inc. Cambria Environmental
Technology Inc. 1144 65th Street, Suite B, Oakland, CA 94608
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Stid 3942

November 30, 2000

Mr. Chuck Carmel
ARCO
4 Center Point Drive
La Palma, CA 90623-1066

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

RE: ARCO Station No 6002 at 6235 Seminary Ave., Oakland

Dear Mr. Carmel:

This office is in receipt of "Third Quarter 2000 Monitoring Report" dated October 10, 2000, by Mr. Darryk Ataide of Cambria Environmental Technology Inc.

I would like to make the following comments regarding the Quarterly Groundwater Monitoring Report dated July 28, 2000 by Mr. Ron Scheele of Cambria Environmental Technology Inc.

Per this report the MW-5 and VW-4 are still the wells with the highest concentrations of the constituents. The MW-5 well indicated 10,500ppb TPHG, 15ppb benzene, and 430ppb of MTBE. The VW-4 well, indicated up to 2,230ppb TPHG, < 10ppb benzene, and 5,310ppb of MTBE. MW-5 well indicates a decrease in the concentrations of MTBE while VW-4 had a slight increase in MTBE concentration.

Figure 1 reveals the flow gradient to be westerly at 0.087 ft/ft.

I concur with Mr. Ataide of Cambria Environmental regarding the work proposed for the next quarter as indicated in the above report dated October 10, 2000.

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

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Darryk Ataide of Cambria Environmental Technology Inc. Cambria Environmental
Technology Inc. 1144 65th Street, Suite B, Oakland, CA 94608
files

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

Stid 3942

October 3, 2000

Mr. Chuck Carmel
ARCO
4 Center Point Drive
La Palma, CA 90623-1066

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

RE: ARCO Station No 6002 at 6235 Seminary Ave., Oakland

Dear Mr. Carmel:

I am in receipt of "Second Quarter 2000 Monitoring Report" dated July 28, 2000 by Mr. Ron Scheele of Cambria Environmental Technology Inc. I believe you have recently replaced your consultant and that you will be working with Cambria Environmental. The last report was performed by It Group Corporation.

I would like to make the following comments regarding the Quarterly Groundwater Monitoring Report dated July 28, 2000 by Mr. Ron Scheele of Cambria Environmental Technology Inc. :

1. There is high concentrations of TPHG and MTBE present in MW-5 and VW-4 wells. The MW-5 well indicated 9,680ppb TPHG, 38ppb benzene, and 930ppb of MTBE. The MW-4 well, indicated up to 1,360ppb TPHG, < 2ppb benzene, and 4,900ppb of MTBE. However, both wells indicate a decrease in the concentrations of MTBE.
2. The flow gradient was determined to be westerly at 0.042 ft/ft.
3. I concur with the work proposed for the next quarter as indicated in the above report dated dated July 28, 2000 by Ron Scheele of Cambria Environmental Technology Inc.

Should you have any questions, please do not hesitate to call me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Darryk Ataide, Cambria Environmental Technology Inc. 1144
65th Street, Suite B, Oakland, CA 94608
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

Stid 3942

March 13, 2000

Mr. Chuck Carmel
ARCO Products Co.
2620 Lunada Lane
Alamo, CA 94507

RE: ARCO Station No 6002 at 6235 Seminary Ave., Oakland

Dear Mr. Carmel:

I just received a phone call from Mr. Paul Supple of Arco Products Co., who informed me that you would be handling this case from now on. I have received and reviewed the Quarterly Groundwater Monitoring Report dated February 18th, 2000 by Mr. Glen VanderVeen of Pinnacle Environmental Solution.

Per this report high concentrations of TPHG and MTBE still exist in MW-5 and VW-4 wells. While MW-5 well indicated 11,000ppb TPHG, 19ppb benzene, and 590ppb of MTBE, VW-4 well, indicated up to 1,400ppb TPHG, <0.5ppb benzene, and 4,200ppb of MTBE. However, both wells indicate a decrease in the concentrations of MTBE.

The average flow gradient has been to the west on 10-29-99. However, the flow gradient has been always either westerly or west-southwesterly.

I concur with the work proposed for the next quarter as indicated in the above report dated February 18th, 2000 by Mr. VanderVeen of Pinnacle Environmental Solution.

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

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Glen VanderVeen, Pinnacle Environmental Solutions, 144-A Mayhew Way,
Walnut Creek, CA 94596
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

Stid 3942

March 8, 2000

Mr. Paul Supple
ARCO Products Co.
PO Box 6549
Moraga, CA 94570

RE: ARCO Station No 6002 at 6235 Seminary Ave., Oakland

Dear Mr. Supple:

I am in receipt of the Quarterly Groundwater Monitoring Report dated February 18th, 2000 by Mr. Glen VanderVeen of Pinnacle Environmental Solution.

According to this report high concentrations of TPHG and MTBE still exist in MW-5 and VW-4 wells. While MW-5 well indicated 11,000ppb TPHG, 19ppb benzene, and 590ppb of MTBE, VW-4 well, indicated up to 1,400ppb TPHG, <0.5ppb benzene, and 4,200ppb of MTBE. However, both wells indicate a decrease in the concentrations of MTBE.

The average flow gradient has been to the west on 10-29-99. However, the flow gradient has been always either westerly or west-southwesterly.

I agree with the work proposed for the next quarter as indicated in the above report dated February 18th, 2000 by Mr. VanderVeen of Pinnacle Environmental Solution.

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

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Glen VanderVeen, Pinnacle Environmental Solutions, 144-A Mayhew Way,
Walnut Creek, CA 94596
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

Stid 3942

December 9, 1999

Mr. Paul Supple
ARCO Products Co.
PO Box 6549
Moraga, CA 94570

RE: ARCO Station No 6002 at 6235 Seminary Ave., Oakland

Dear Mr. Supple:

This office is in receipt of the Quarterly Groundwater Monitoring Report dated November 23rd, 1999 by Mr. Glen VanderVeen of Pinnacle Environmental Solution.

Per this report high concentrations of TPHG and MTBE still exist in MW-5 and VW-4 wells. MW-5 well indicated 9,200ppb TPHG, 26ppb benzene, and 1,100ppb of MTBE. However, VW-4 well, indicated up to 1,300ppb TPHG, 4.4ppb benzene, and 4,600ppb of MTBE.

Both wells indicate an increase in the concentrations of MTBE. This could be due to the fact that both wells are down-gradient from the former source of contamination.

I concur with the work proposed for the next quarter as indicated in the above report dated November 23rd, 1999, by Mr. VanderVeen of Pinnacle Environmental Solution.

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

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Glen VanderVeen, Pinnacle Environmental Solutions, 144-A Mayhew Way,
Walnut Creek, CA 94596
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Stid 3942

September 16, 1999

Mr. Paul Supple
ARCO Products Co.
PO Box 6549
Moraga, CA 94570

ENVIRONMENTAL HEALTH SERVICES

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

RE: ARCO Station No 6002 at 6235 Seminary Ave., Oakland

Dear Mr. Supple:

I have received and reviewed the Quarterly Groundwater Monitoring Report dated August 27, 1999 by Mr. Glen VanderVeen of Pinnacle Environmental Solution.

The laboratory analysis still reveal high concentrations for TPHG and MTBE in MW-5 and VW-4 wells. MW-5 well indicated 11,000ppb TPHG, 33ppb benzene, and 580ppb of MTBE. The VW-4 well, on the other hand, revealed up to 2,100ppb TPHG, 2.5ppb benzene, and 3,300ppb of MTBE.

I understand that MW-1 well was decommissioned back in 1996. However, as you are aware I have not been the case worker on this site for long, and therefore, I would appreciate the logic supporting decommissioning of MW-1. This is due to the fact that the data available indicates constituents' concentrations of up to 11,000ppb of TPHG, 570ppb of benzene, and 25,000ppb of MTBE in MW-1 well for the last known laboratory analysis dated 11-13-95. Additionally, please inform me who approved this activity.

I do concur with the work proposed for the next quarter as indicated in the above report dated August 27th, 1999, by Mr. VanderVeen of Pinnacle Environmental Solution.

Please do not hesitate to call me at (510) 567-6876, if you have any questions and or concerns.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Glen VanderVeen, Pinnacle Environmental Solutions, 144-A Mayhew Way,
Walnut Creek, CA 94596
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

Stid 3942

March 23, 1999

Mr. Paul Supple
ARCO Products Co.
PO Box 6549
Moraga, CA 94570

RE: ARCO Station No 6002 at 6235 Seminary Ave., Oakland

Dear Mr. Supple:

I have received and reviewed the Quarterly Groundwater Monitoring Report dated March 12, 1999 by Mr. Glen VanderVeen of Pinnacle Environmental Solution. However, the detection limits were not set properly for TBA, DIPE, ETBE, TAME, and TPHG for VW-4 well. For instance, the detection limit was set at 5,000ppb for TBA.

Similar to the last laboratory report, MW-5 well and VW-4 well still reveal high concentrations of TPHG and MTBE with reduced concentration indicated for Benzene.

I appreciate the response by Mr. VanderVeen, under the discussion section of the above Quarterly Groundwater Monitoring Report, to my concerns as addressed in the letter dated January 6, 1999.

I do concur with the work proposed for the next quarter as indicated in the report dated March 12, 1999 by Mr. VanderVeen of Pinnacle Environmental Solution.

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

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Mr. Glen VanderVeen, Pinnacle Environmental Solutions, 144-A Mayhew Way,
Walnut Creek, CA 94596
✓ Files

LOP - RECORD CHANGE REQUEST FORM

printed:
09/14/98

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

Insp: AG

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 3942 LOC:
 SITE NAME: ARCO #6002 DATE REPORTED : 11/16/93
 ADDRESS : 6235 Seminary Ave DATE CONFIRMED: 11/16/93
 CITY/ZIP : Oakland 94605 MULTIPLE RPs : N

SITE STATUS

 CASE TYPE: S CONTRACT STATUS: 4 PRIOR CODE:1B2 EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 12/15/93
 PRELIMINARY ASMNT: U DATE UNDERWAY: 01/13/94 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: 6 DATE ENFORCEMENT ACTION TAKEN: 10/21/92
 LUFT FIELD MANUAL CONSID: 3HSCAWG
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : REMEDIAL ACTIONS TAKEN: NT

RESPONSIBLE PARTY INFORMATION

 RP#1-CONTACT NAME: Paul Supple
 COMPANY NAME: ARCO Products Co.
 ADDRESS: P. O. Box 6549
 CITY/STATE: Moraga, C A 94549

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only Case Progress Changes

ANNPMS _____ LOP _____ DATE _____ || LOP _____ DATE _____

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION

M E M O R A N D U M

DATE: MAY 23, 1995
TO: TOM PEACOCK, Supervisor
FROM: Amy Leech
SUBJECT: Time Off (Sick Leave/VTO)

As we discussed, I will be taking time off for sick leave from approximately November 16 through December 1, 1995. As far as time keeping, I will use accrued sick leave from November 16th - November 22nd (30 hrs) and, so as not to use up all my sick leave, VTO from November 27th - December 1st (30 hrs). Attached are the Leave of Absence Request and VTO Request forms.

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

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

12 June, 1998
STID 3942

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

re: ARCO Station 6002, 6235 Seminary Rd., Oakland, 94605

Dear Paul Supple:

This office has received and reviewed the following reports:

- Quarterly Monitoring Report dated September 30, 1997
- Quarterly Monitoring Report dated December 31, 1997
- Quarterly Monitoring Report dated March 31, 1998

These reports were all submitted by you and written by Emcon.

It seems that all contamination still centers around MW5 and VW4. MW-7, the downgradient well for MW-4 was not sampled because it was dry. This well has not always been dry. Perhaps the heavy rains this winter will give different results in your next report.

Have you thought of using ORC (oxygen releasing compound) in the wells with significant contamination remaining?

Please call me if have any questions regarding this letter at 567-6782.

Sincerely,

Thomas Peacock, Manager
Environmental Protection Division

c: Gary Messerotes, EMCON, 1921 Ringwood Ave., San Jose, CA
95131
Dick Pantages - **Files**
LeRoy Griffin, City of Oakland Hazardous Materials

PE



EMCON

1433 North Market Boulevard • Sacramento, California 95834-1943 • (916) 928-3300 • Fax (916) 928-3341

ENVIRONMENTAL
PROTECTION

97 OCT 17 PM 4: 08

October 16, 1997
Project 20805-122.004

Mr. Thomas Peacock
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502

Re: ARCO Contacts

Dear Mr. Peacock:

As requested, this letter is written to provide you with the points of contact for ARCO sites under Alameda County Health Care Services Agency (ACHCSA) oversight. The sites referenced below are those which EMCON is providing consulting services to ARCO.

The ARCO contact for the following site is Mr. Kyle Christie at P.O. Box 5077, Buena Park, California, 90622-5077, telephone no. (714) 670-5303:

✓ 3256 ARCO Facility 276, 10600 Macarthur Boulevard, Oakland BC

The ARCO contact for the following sites is Mr. Paul Supple at P.O. Box 6549, Moraga, California, 94549, telephone (510) 299-8891:

- ✓ 4225 ARCO Facility 601, 712 Lewelling Boulevard, San Leandro SOS
- ✓ 744 ARCO Facility 2111, 1156 Davis Street, San Leandro BO
- ✓ 3876 ARCO Facility 2185, 9800 14th Street, Oakland BC
- ✓ 3942 ARCO Facility 6002, 6235 Seminary Avenue, Oakland - PE
- ✓ 3873 ARCO Facility 771, 899 Rincon Avenue, Livermore SH
- ✓ 3858 ARCO Facility 2035, 1001 San Pablo Avenue, Albany BC
- ✓ 3793 ARCO Facility 2169, 889 West Grand Avenue, Oakland SH
- ✓ 1053 ARCO Facility 6041, 7249 Village Parkway, Dublin EC
- ✓ 3883 ARCO Facility 6113, 785 East Stanley Boulevard, Livermore SH
- ✓ 3626 ARCO Facility 6148, 5131 Shattuck Avenue, Oakland SH

*Contact updated
12-2-97*



MfrID	Name	Mail	City	CT	Last Name
30160	WIMBLEDON WOODS-POOL	25200 CARLOS BEE BLVD	HAYWARD	351.	Buenavista
30161	WIMBLEDON WOODS-POOL	25200 CARLOS BEE BLVD	HAYWARD	351.	Buenavista
30163	WIMBLEDON WOODS-POOL	25200 CARLOS BEE BLVD	HAYWARD	351.	Buenavista
30375	WIMBLEDON WOODS-REC	25200 CARLOS BEE BLVD	HAYWARD	351.	Buenavista
30162	WIMBLEDON WOODS-SPA	25200 CARLOS BEE BLVD	HAYWARD	351.	Buenavista
30159	WIMBLEDON WOODS-SPA	25200 CARLOS BEE BLVD	HAYWARD	351.	Buenavista
30157	WIMBLEDON WOODS-TENN	25200 CARLOS BEE BLVD	HAYWARD	351.	Buenavista
30298	WINDER TERRACE CONDO	260 INDUSTRIAL PKWY	HAYWARD	379.	Redman
30202	WINDSOR HOUSE APARTM	1243 E ST	HAYWARD	364.	Buenavista
60359	WINDSOR POOL	2345 MEADOWLARK DR	PLEASANTON	506.02	Brightman
60361	WINDSOR SPA	2345 MEADOWLARK DR	PLEASANTON	506.02	Brightman
30245	WINTON GROVE APARTME	24223 SANTA CLARA AVE	HAYWARD	367.	Dea
10074	WOMEN'S ATHLETIC CLU	635 EL DORADO AVE	OAKLAND	40.	Kwan
10094	WOMEN'S ATHLETIC CLU	525 BELLEVUE AVE	OAKLAND	37.	Gates
40307	WOODCREEK APARTMENTS	40918 INGERSOL PL	FREMONT	423.	Lee
40306	WOODCREEK APARTMENTS	40918 INGERSOL PL	FREMONT	423.	Lee
30506	WOODFIN SUITES (POOL	39150 CEDAR BLVD	NEWARK	446.	Newton
40296	WOODFIN SUITES (POOL	39150 CEDAR BLVD	NEWARK	446.	Newton
40297	WOODFIN SUITES (SPA)	39150 CEDAR BLVD	NEWARK	446.	Newton
30120	WOODGATE TOWNHOUSES	730 LEWELLING BLVD	SAN LEANDRO	336.	Wade
30208	WOODLAND ESTATES (PO	2494 OAKES DR	HAYWARD	364.	Buenavista
40044	WOODLAND GARDENS (PO	38771 BELL ST	FREMONT	419.02	Lee
50217	WOODLANDS (POOL)	7546 OXFORD CIR	DUBLIN	502.	Torres
50218	WOODLANDS (SPA)	7546 OXFORD CIR	DUBLIN	502.	Torres
30233	WOODLARK APARTMENTS	44 HARDER RD	HAYWARD	366.	Villa
30383	WOODPARK (POOL)	980 CHERYL ANN CIR	HAYWARD	376.	Dea
40168	WOODS (POOL)	40640 HIGH ST	FREMONT	423.	Lee
10214	WOODSIDE APARTMENTS	235 HAAS AVE	SAN LEANDRO	322.	Wade
10181	Y.M.C.A. MEN'S SPA	2350 BROADWAY	OAKLAND	35.	KWAN
10180	Y.M.C.A. WOMEN'S SPA	2350 BROADWAY	OAKLAND	35.	KWAN
10179	YMCA POOL	2350 BROADWAY	OAKLAND	35.	KWAN
10093	YORK TOWERS APT POOL	811 YORK BLVD	OAKLAND	38.	Askar

TOTAL: 1436

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



September 11, 1997
STID 3942

Mike Whelan
ARCO Products Co.
P.O. Box 612530
San Jose, CA 95161

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

Dear Mike Whelan:

This office has received and reviewed a Quarterly Groundwater Monitoring Report dated June 27, 1997 by EMCON. The following comments concern this report:

1. There are ~~no~~ conclusions or recommendations in this report, only a statement of next quarter's scheduled work.
2. There does not seem to be any degradation in the contamination in MW-5, the most contaminated well. MW-7, the most downgradient well, has declined in contamination, but only for 1 quarter.

Please contact me at (510) 567-6782 if you have any questions regarding this letter.

Sincerely,

Thomas Peacock, Manager

c: Valli Voruganti, EMCON, 1921 Ringwood Ave., San Jose, CA
95131-1721
Gordon Coleman - Files

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET

printed 06/12/97

SITE INFORMATION

Seminary Gas & Mini Mart
6235 Seminary Ave
Oakland 94605
Site Contact: Damjibapa Inc.
Site Phone : 632-3494

StID: 3942 Site#: 730
PROJECT#: 730B
PROJECT TYPE:*** I ***
INSP: Don Hwang
ACCT. SHEET PG #: _____

PROPERTY OWNER INFORMATION

Owner Contact:
Owner Phone :

PAYOR INFORMATION

Encabo Inc
610 S Bascom Ave
San Jose CA 95128 # 913
Payor Contact:
Payor Phone : 408-280-5334

Date	Action Taken	Insp Init	Hours Spent/ Depstd	Hour Balnce	Money Spent/ Depositd	Money Balance
	Rcpt# 767659 Balance from Prev. Page					759.00
1/17/97	initial work done / 100	DH	3	90-	27-	732-
4/20/97	✓	DH	1.2	90-	108-	624-

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : AMM ATTACH: State Forms A,B & C
 Billing Adjustment*
DATE OF COMPLETION : 6/12/97 DATE SENT TO BILLING: 6/12/97
TOTAL COST OF PROJECT: 270 REFUND AMOUNT: 624 Rev. 7/96

* Billing adjustment forms needed when site is in our UST program. REPORT: wrkShtC (Continued balance

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET

printed 03/06/97

SITE INFORMATION

~~Arco Petroleum Products~~
6235 Seminary Ave
Oakland 94605
Site Contact: Damjibapa Inc.
Site Phone : 632-3494

StID: 3942 Site#: 730
PROJECT#: 4717C
PROJECT TYPE: *** I ***
INSP: Don Hwang
ACCT. SHEET PG #: 2

PROPERTY OWNER INFORMATION

Owner Contact:
Owner Phone :

PAYOR INFORMATION

Takmar, Jagoip
1708 Seville Wy
San Jose CA 95131 # 979
Payor Contact:
Payor Phone :

Date	Action Taken	Time		Hours	Hour	Money	Money
		In	Out	Spent/ Depstd	Balnce	Spent/ Depositd	Balance
	Rcpt# 778917						
	Balance from Prev. Page						
9/17/96	PH-PETRO WEST, ART	10 ⁰⁰	10 ¹²	-0.1			
9/17/96	PH-JT	10 ¹³	10 ⁴⁸	-0.5			
10/2/96	REVIEW PLANS	13 ⁵⁴	16 ¹⁸	-2.4			
11/13/96	PH-JIM BRINKER	8 ⁴⁸	8 ⁵⁴	-0.1			
2/27/97	PH-ERNIE	14 ³⁰	14 ³⁶	-0.1			
2/27/97	PH JASPER	15 ²⁴	15 ³⁰	-0.1			
2/28/97	INSPECTION- MONITORING SYSTEM	9 ²⁴	10 ³⁶	-1.2			
3/3/97	PLAN REVIEW ^{SUBMISSION} 2/28	15 ³⁶	16 ⁰⁶	-0.5			
3/3/97		16 ²⁴	16 ³⁶	-0.2			
3/3/97	PH-ERNIE	16 ⁴²	16 ⁵⁴	-0.2			
						-7.9 x \$94 =	-\$742.6
							\$408.4

2 BILLING 3/97 SENT TO BILLING BY DIT
UPON COMPLETION OF PROJECT AM 4/3/26/97

PROJ COMPLETED BY : _____ ATTACH: State Forms A, B & C
 Billing Adjustment*

DATE OF COMPLETION : _____ DATE SENT TO BILLING: _____

TOTAL COST OF PROJECT: _____ REFUND AMOUNT: _____ Rev. 7/96

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET

printed 09/06/96

SITE INFORMATION

~~Arco Petroleum Products~~
6235 Seminary Ave
Oakland 94605
Site Contact: Damjibapa Inc.
Site Phone : 632-3494

StID: 3942 Site#: 730
PROJECT#: 4717C
PROJECT TYPE: *** I ***
INSP: Don Hwang
ACCT. SHEET PG #: 1

PROPERTY OWNER INFORMATION

Owner Contact:
Owner Phone :

PAYOR INFORMATION

Takmar, Jagoip
1708 Seville Wy
San Jose CA 95131 #979
Payor Contact:
Payor Phone :

Date	Action Taken	Time		Hours Spent/Depstd	Hour Balnce	Money	
		In	Out			Spent/Depositd	Money Balance
	Rcpt# 778917						
09/06/96	Deposit of \$1,245.00 @ \$94/hour			+13.24	+13.241	245.00	1,245.00
09/06/96	Admin. Charge: 1 hour	1.00	12.24	94.00	1,151.00
9/6/96	PLAN CHECK	16:35	17:00	-0.2			
9/6/96		10:30	10:55	-0.1			
9/12/96	PH. ERNIE BERNARD PH. JAGOIP TAKMAR	16:54	17:26	-0.2			
9/13/96	PH. JT PH. ART, PETRO WEST	10:30	10:42	-0.2			
9/13/96		10:48	11:18	-0.5			
9/13/96	PH. ART/CHARLIE PETRO WEST EQUIP.	15:36	15:42	-0.1			
9/16/96	PH. CHARLIE	9:54	10:00	-0.1			
9/16/96	PH. JT	10:30	10:36	-0.1			
9/16/96	PH. JT	11:36	11:42	-0.1			
						79.54 = 742.6	408.4

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : _____ ATTACH: State Forms A, B & C
 Billing Adjustment*

DATE OF COMPLETION : _____ DATE SENT TO BILLING: _____

TOTAL COST OF PROJECT: _____ REFUND AMOUNT: _____ Rev. 7/96

* Billing adjustment forms needed when site is in our UST program.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

May 29, 1997

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

STID 3942

Re: Investigations at ARCO Station 6002, located at 6235 Seminary Road, Oakland, CA 94605

Dear Mr. Supple,

Firstly, I would like to introduce myself to you. My name is Juliet Shin and I am the Alameda County Hazardous Materials Specialist overseeing investigations at this site. I understand that you are the new ARCO contact person for the above site, and I look forward to working with you.

I have recently reviewed the Fourth Quarter 1996 groundwater monitoring results as well as the April 15, 1997 Well Installation Report for the above site. Based on the fact that Well MW-7 came up dry in the first two attempts at monitoring, this office is requesting that ARCO submit cross sections that would intersect the off-site wells MW-7 and MW-8, along with some of the on-site wells, in the next quarterly monitoring report.

Additionally, please submit information on the Depth-To-Water for Well MW-7 during the January 27, 1997 sampling event. If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Ray Kaminsky
EMCON
1921 Ringwood Avenue
San Jose, CA 95131



EMCON

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

#3942
pet
bkron

March 26, 1997
Project 20805-131.008

Mr. Jeffrey Eneby
6267 Sunnymere Avenue
Oakland, California 94605

6235 Seminary Dr., Oakland 94605

Re: Fourth quarter 1996 laboratory analytical results, groundwater samples,
6267 Sunnymere Avenue, Oakland, California

Dear Mr. Eneby:

Enclosed please find a copy of the fourth quarter 1996 groundwater monitoring results for ARCO service station 6002, Oakland, California. Included are the laboratory analytical results for the groundwater sample collected from well MW-8 during the fourth quarter of 1996. This well is located at 6267 Sunnymere Avenue, Oakland, California. The groundwater sample was collected on November 11, 1996, during quarterly sampling of the ARCO Products Company service station 6002, 6235 Seminary Avenue, Oakland. The laboratory analytical results indicate that the groundwater sample concentrations for well MW-8 were not detectable for total petroleum hydrocarbons as gasoline, and the gasoline constituents benzene, toluene, ethylbenzene, and total xylenes.

Please call if you have questions.

Sincerely,

EMCON

W. Young for
John C. Young
Project Manager

Attachments: Attachment A -Copy of Fourth Quarter 1996 Groundwater Monitoring
Results, ARCO Service Station 6002, Oakland, California
Fourth Quarter 1996 (*previously sent 3/97*)

cc: Juliet Shin, ACHCSA
Kevin Graves, RWQCB - SFBR
Paul Supple, ARCO Products Company
File





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

June 21, 1996

Mr. Michael Whelan
ARCO Products Company
2155 S. Bascom Ave., Ste 202
Campbell, CA 95008

STID 3942

Re: ARCO Service Station 6002, located at 6235 Seminary Ave., Oakland, CA

Dear Mr. Whelan,

This office has reviewed EMCON's April 26, 1996 Tank Removal Report and On-site Tier 2 Risk-Based Corrective Action Evaluation and addendum, dated June 3 and 19, 1996. Based on our review of these reports, the contaminant concentrations at the site appear to be below human health protective thresholds for a 10^{-5} risk at a commercial/industrial site. Therefore, based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further corrective action is currently warranted on site. If a change in land use, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated for on site, this agency must promptly be notified. This does not, however, exempt any potential off-site corrective action work which may be warranted due to the off-site portion of the contaminant plume beneath the adjacent residential properties. It is the understanding of this office that off-site characterization of the contaminant plume will begin in July 1996, and that a risk assessment addressing a residential scenario will subsequently be conducted.

Please be reminded that quarterly groundwater monitoring, elevation contours, and reporting should continue at the site. If you have any questions, please feel free to contact me at (510) 567-6763.

Sincerely,


Juliet Shin
Senior Hazardous Materials Specialist

cc: John Young, EMCON, 1921 Ringwood Ave., San Jose, CA 95131

Acting Chief-File

Madhulla

MEMORANDUM

TO : Medula Logan

June 19, 1996

FROM : Ray Kaminsky *EMCON*

Project : 20805-131.007

RE: ARCO 6002 on-site RBCA

This memo is in response to your question about the effect of porosity values on the results of the SSTLs presented in the RBCA report for ARCO station 6002. In our discussion over the phone yesterday, you indicated that the RBCA report met with your approval, but that you wanted to know the effect of using a value for the effective porosity of the vadose zone soil of 0.35 rather than 0.3. I used the ASTM RBCA software with the identical environmental and exposure assumptions documented in the report, except that I changed the porosity from 0.3 to 0.35 while keeping the value for soil moisture the same. The results of the original and altered scenarios for the most sensitive transport/exposure pathway (i.e., volatilization from groundwater to indoor air) are presented below.

<u>Chemical</u>	SSTL (original) (mg/l)	SSTL (altered) (mg/l)	Measured VW-1 (mg/l)
Benzene	1.51	0.90	0.49
Toluene	>Sol	>Sol	0.52
Ethyl benzene	>Sol	350	0.057
Xylenes	>Sol	>Sol	1.5

ok

As these results show, increasing the porosity while holding the soil moisture values constant has the effect of increasing the amount of volatilization, and lowering the SSTL for benzene. The altered SSTL, however, is still greater (by nearly a factor of 2) than the benzene concentration from the monitoring point VW-1 directly upgradient of the service station building.

cc: file

MEETING
6235 Seminary Ave.
Oakland, 94605
March 27, 1996

Attending: Mike Whelan, ARCO
John Young, EMCON
Ray Kaminsky, EMCON
Susan Hugo, ACDEH
Juliet Shin, ACDEH

Based on past discussions, the primary two pathways of concern are groundwater to indoor air and soil to indoor air. However, since there is no apparent soil contamination existing in the vadose zone beneath the on-site building, the soil to indoor air was not assessed (the nearest vadose zone contamination apparently is ~30 feet away from the building). The soil to ambient was assessed. Also, groundwater to ambient will also be noted although it is not a driving pathway. Based on the Tier 1 RBCA look-up table, the highest concentrations identified in soil and groundwater at the site exceeded some of the given threshold values.

Check through the files to determine whether a well survey of the area was ever conducted for at least a 1/4 mile radius.

Some other models/software out there, other than GSI, are HELP II (which is primarily for engineering, such as landfills), SeSoil, and DSS (Decision Support System (API's), but it does not calculate cleanup levels and the method requires that the utilizer know more about models).

We compared the resulting cleanup values with the benzene concentration identified in groundwater from the one sample collected from VW-1 (490 ppb benzene). This was apparently approved by Madhulla Logan, and was considered more accurate than comparing to the highest concentration, which was observed in Well MW-5. It was noted that concentrations in MW-3 were sporadic last quarter, and there was some concern that using 490ppb benzene may not be conservative enough. However, due to the recent source removal of the USTs and associated piping, it is believed that the concentrations will begin to significantly attenuate, so 490ppb benzene is viewed as a conservative value. The cleanup level for benzene was determined to be 930 ppb.

ARCO mentioned again that if RA calculations reflect a potential threat to residences, than they are prepared to install a vapor barrier at the southwest corner of the site.

N-hexane and decane have been used for TPHg surrogates in the past. However, there are some studies of fractionation, that are allowing for surrogates to be developed for groupings of hydrocarbons.

ARCO and EMCON will submit a tank removal report within the next two weeks, and a RA report addressing the calculations and assumptions we went over today. Will also include worksheets that accompany the GSI Risk Assessment software.

Agreed that County will write letter stating that corrective action to date appears adequate, after receiving the tank removal and RA reports, if they are consistent with discussions gone over today.

Since MW-1 and MW-2 were destroyed to make room for the installation of the new USTs, the County requested that MW-1 be replaced by monitoring of VW-1 and VW-4. These boring locations are screened adequately from 5 to 15-foot bgs.

The investigations at the adjacent residential locations is planned for April 96.

- What are sample results from the recent tank removal and drilling on adjacent residential property?
 - Compiling tank removal ^{still planned to not done} report & will be submitted in April '96.
- The soil contamination detected appears to be primarily limited to the capillary fringe or draper.
- Soil types according to the first cross section are predominantly silty clay in areas around the former USTs, however the boring logs for areas around the dispenser show predominantly clayey sand & gravel in upper 10'.
- Decommissioned MW-2 + MW-1 for UST installation preparation.
- UW-1 is acceptable replacement for MW-1 & is screened 5 to 15' logs. Possibly use UW-3 or UW-4 as replacement for MW-1 in d.g. direction.

- Discuss future → soil to indoor also from capillary
 → Do residential scenarios for commercial/residential areas.

↑ Use of PDS for child scenarios for residential scenarios

LOP - RECORD CHANGE REQUEST FORM

printed:
08/08/97

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

Insp: RW

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 3942 LOC:
 SITE NAME: ARCO #6002 DATE REPORTED : 11/16/93
 ADDRESS : 6235 Seminary Ave DATE CONFIRMED: 11/16/93
 CITY/ZIP : Oakland 94605 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: S CONTRACT STATUS: 4 PRIOR CODE:1B2 EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 12/15/93
 PRELIMINARY ASMNT: U DATE UNDERWAY: 01/13/94 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: 6 DATE ENFORCEMENT ACTION TAKEN: 10/21/92
 LUFT FIELD MANUAL CONSID: 3HSCAWG
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : 3/6/96 REMEDIAL ACTIONS TAKEN: ~~ED~~ ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Mike Whelan
 COMPANY NAME: ARCO Products Co.
 ADDRESS: P. O. Box 612530
 CITY/STATE: San Jose, C A 95161

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

Case Progress Changes

ANNPGMS _____ LOP _____ DATE _____

LOP _____ DATE _____

Sample No.

S-9

TD = 20.0'

DTW = 9.12

10.88

$$\times \frac{0.66 \text{ gal/lin ft.}}{7.18} = \text{WCV}$$

$$\times \frac{5}{35.9'} = \text{SWCV}$$

WATER SAMPLE LOG

Sample No. S-9

Project No.: 8910011A / 0800 Date: 5-14-90
 Project Name: Shell BASS
 Sample Location: 6005 Jarvis Rd. Newark
 Well Description: Well S-9, 4" ID in planter at E. Corner
 Weather Conditions: Sunny, warm, windy
 Observations / Comments: S-9D is a duplicate sample
 S-9R is a rinse sample.

Quality Assurance

Sampling Method: Teflon bailer
 Method to Measure Water Level: Solinst sounder

Pump Lines: dedicated Bailer Lines: New Cleaned

Method of cleaning Pump / Bailer: Alconox wash, tap + DI water rinse

pH Meter No.: Beckman 0144325 Calibrated 5-14-90

Specific Conductance Meter No.: YSI 1403 Calibrated 5-14-90

Comments: T.D. = 20.0' possible slight hydro-
 1 WCV = 7.18 gal. carbon odor evident
 SWCV = 36 gal. while purging.

Sampling Measurements

Water Level (below MP) at Start: 9.12 End: 9.35
 Measuring Point (MP): Notch at TOC

Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance (µmhos / cm)	Turbidity	Color	Odor	Comments
1251	10	7.29	18.6	1180	high	gray	slight hydrocarbon	Sal 700 0.8%
1317	20	7.33	18.5	1170	high	brn	"	0.8%
1344	30	7.36	18.1	1160	high	+ gray	"	0.8%
1356	36	7.37	18.1	1160	med	cloudy	"	0.8%
1410	36	sampled S-9						
1416	36	sampled S-9D						
1420	36	sampled S-9R						

Total Discharge: 36 gallons Casing Volumes Removed: 5

Method of disposal of discharged water: 55 gallon drum

Number and size of sample containers filled: 2 40 ml UOAS each for S-9, S-9D, S-9R

Collected by: C. Tilton / J. Hane

Woodward-Clyde Consultants

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



EMCON

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

FAX TRANSMITTAL

TO: Ms. Juliet Shin
FROM: John Young
Number of Pages 2 (Including Cover Page)

DATE: 3/19/97
TIME: 4:10PM

If you have received this communication in error, please notify us at the telephone number listed above.

Sender Note: Complete if applicable.

CLIENT: _____
PHONE #: _____

Project/Task #: _____
FAX #: _____

Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is confidential information intended for the use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited.

COMMENTS:

ORIGINAL TO FOLLOW: _____ ORIGINAL WILL NOT FOLLOW: _____ BROADCAST: _____

ANY QUESTIONS REGARDING THIS TRANSMISSION, PLEASE CALL THE NUMBER LISTED ABOVE



EMCON

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

March 19, 1997
Project 20805-116.008

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

Re: Purge or non-purge sampling procedures

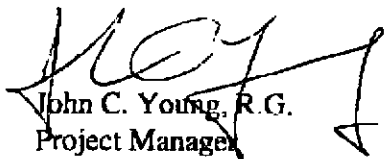
Dear Ms. Shin:

On behalf of ARCO, EMCON has prepared this letter to inform you that we will be sampling wells at ARCO Station 6002, Oakland, California, per the requirements set forth in the San Francisco Bay Regional Water Quality Control Board's letter dated January 31, 1997, regarding utilization of non-purge approach for sampling of monitoring wells impacted by petroleum hydrocarbons, BTEX and MTBE. EMCON will gauge depth to water in each well before sampling to ensure the RWQCB's procedures are met.

If you have questions on the sampling procedures, please call.

Sincerely,

EMCON


John C. Young, R.G.
Project Manager

cc: Paul Supple, ARCO

*This site 3/21/97
has unconfined
conditions, so that purging
of wells will not be
necessary.
- Juliet Shin*



ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

February 14, 1996

Mr. Michael Whelan
ARCO Products Company
2155 S. Bascom Ave., Ste 202
Campbell, CA 95008

STID 3942

Re: Tank removal and overexcavation at ARCO Service Station 6002, locted at 6235
Seminary Ave., Oakland, CA

Dear Mr. Whelan,

This office has reviewed EMCON's Overexcavation Sampling Plan, dated February 7, 1996, and the Underground Tank Closure Plans, submitted by Tait & Associates, for the removal of four underground storage tanks at the above site. These plans are acceptable to this office. Please notify this office at least one week prior to beginning field work. Please be reminded to notify the Oakland Fire Department so that they may be present to oversee the tank removals.

Additionally, this office would like a projected schedule for off-site well installation, on-site assessment for potential human health impact, and eventual assessment for any potential off-site human health impacts.

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

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: John Young
EMCON
1921 Ringwood Ave.
San Jose, CA 95131-1721

Acting Chief-File



Consulting Engineers

Civil • Planning • Surveying • Environmental

FAX TRANSMITTAL

13 Feb, 1996

TO: Alameda Co EH FAX NO.

337 9335

ATTN: Juliete Chin

FROM: Tom Schoenstern

SUBJECT: ARCO 4002
4235 SEMINARY AVE
OAKLAND

JOB NO: AR 672

Transmitting 3 pages, including cover memo.

COMMENTS: UST Application pp 2 & 3
REVISED HAULER INFO.

6. Contractor BALCH PETROLEUM ARCO 0002

Address 930 AMES AVENUE

City MILPITAS, CA 95035 Phone (408) 942 8080

License Type A, B, HAZ, 390575 ID# _____

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

7. Consultant (if applicable) EMCON

Address 1921 RINGWOOD AVE

City, State SAN JOSE CA 95131-1721 Phone (408) 453 7300

8. Main Contact Person for Investigation (if applicable)

Name JOHN YOUNG Title PROJECT MGR.

Company EMCON

Phone (408) 453 7300

9. Number of underground tanks being closed with this plan 4

Length of piping being removed under this plan ± 170 FT TRENCH

Total number of underground tanks at this facility (**confirmed with owner or operator) 4

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

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

a) Product/Residual Sludge/Rinsate Transporter

Name H & H SHIP SERVICE EPA I.D. No. CAD 009771108

Hauler License No. 0334 License Exp. Date 1-31-97

Address 220 CHINA BASIN ST. (415) 905 5510

City SAN FRANCISCO State CA zip 94107

b) Product/Residual Sludge/Rinsate Disposal Site

Name H & H SHIP SERVICE EPA ID# CAD 009771108

Address 220 CHINA BASIN ST.

City SAN FRANCISCO State CA zip 94107

ARCO 0002

ARCO 0002

c) Tank and Piping transporter

Name H & H SHIP SERVICE EPA I.D. No. CAD 004711608
Hauler License No. 0334 License Exp. Date 1-31-97
Address 220 CHINA BASIN ST. (415) 905 5510
city SAN FRANCISCO State CA zip 94107

d) Tank and Piping Disposal Site

Name H & H SHIP SERVICE EPA I.D. No. CAD 004711608
Address 220 CHINA BASIN ST.
city SAN FRANCISCO State CA zip 94107

11. Sample Collector

Name JOHN YOUNG
Company EMCON
Address 1921 RINGWOOD AVE
city SAN JOSE state CA zip 95131 Phone (408) 453 7300

12. Laboratory

Name COLUMBIA ANALYTICAL SERVICES (CAS)
Address 1921 RINGWOOD AVE
city SAN JOSE state CA zip 95131-1721
State Certification No. 1420

CONTACT: STEVE GREEN (408) 437 2400

13. Have tanks or pipes leaked in the past? Yes [] No [] Unknown

If yes, describe. _____

ARCO 0002



EMCON

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

February 7, 1996
Project 20805-131.006

Ms. Juliet Chin
Alameda County Health Care Services Agency
1131 Harborbay Parkway
Alameda, California 94502

Re: Soil Sampling Plan, UST Removal at ARCO Service Station 6002, Oakland
California

Dear Ms. Chin:

This letter documents the proposed soil sampling plan for UST removal at ARCO Products Company (ARCO) service station 6002 in Oakland, California. Per our telephone conversation on February 6, 1996, and per our meeting on January 16, 1996, EMCON, on behalf of ARCO, proposes that soil sampling will be performed at the equivalent frequency as defined in the Tri-Regional Board Recommendations for Preliminary Evaluation and Investigation of UST's. EMCON has outlined below the proposed frequency and location of soil samples following UST removal.

Will you look closer to back

There are four UST's at the ARCO site, two 4000 gallon tanks and two 6000 gallon tanks. Based on the size of these four tanks, one soil sample will be collected beneath each end of each tank (per Tri-Regional recommendations).

Given that groundwater has been already identified as being impacted by gasoline hydrocarbons and the source area may be from the existing UST's, EMCON, following UST removal, is proposing to excavate soils vertically beneath the UST's if visual evidence and field measurements (PID) indicate that soils are impacted. EMCON will sample soils at a depth of two to four feet below the UST's. The Tri-Regional Recommendations advise that soil samples should be sampled at a depth of two feet below a tank. EMCON is proposing to excavate beyond the typical sampling depth to remove potential source material if present. If groundwater is encountered in the tank pit, EMCON will collect two samples at the soil/groundwater interface on each end of the tank (per Tri-Regional Recommendations).

Will you go any deeper than 4' if stained soils observed? Only vertical excavation? Yes, will not excavate any more than 12' by 12' grid

EMCON is proposing to collect soil samples beneath product piping every 20 linear feet. The depth of sampling will be dependent on visual evidence and field measurements. If field observations indicate a release has occurred from the product piping, EMCON

*RECEIVED
FEB 14 1996
PROJECT 20805-131.006*



Ms. Juliet Chin
February 7, 1996
Page 2

Project 20805-131.006

proposes to excavate soils vertically to a depth of five feet below grade. Samples will be collected at depths of 1 to 3 feet below piping. *So, will sample prior to overexcavating? no*

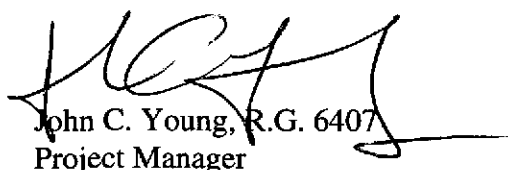
As discussed during our January 16, 1996 meeting, soil samples will be analyzed for total petroleum hydrocarbons as gasoline (TPHG) by EPA test method 8015, and the aromatic compounds benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA test method 8020. Method detection limits for TPHG is 1.0 mg/kg, and for BTEX, 0.005 mg/kg. *7. How about*

If groundwater is encountered in the tank pit, a groundwater sample will be analyzed for TPHG, BTEX and methyl tert-butyl ether (MTBE). Method detection limits for TPHG, BTEX and MTBE are 50 ug/kg, 0.5 ug/kg, and 35 ug/kg, respectively.

EMCON will notify ACHCSA 48 hours in advance of tank removal activities. Please call if you have any questions.

Sincerely,

EMCON


John C. Young, R.G. 6407
Project Manager

attachments: Figure 1

cc: Kyle Christie, ARCO
Mike Whelan, ARCO

white - env. health
yellow - facility
pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # 3942 Site Name ARCO #6002 Today's Date 3/11/96

Site Address 6235 Seminary Ave

City Oakland Zip 94605 Phone _____

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

Inspection Categories:

- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
- ____ III. Under ground Storage Tanks

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

Comments:

↑ N Sunnymere

(*) previous sples

Returned to witness

add'l soil sples beneath lines + where former vapor pots were located

R. Davis - Emcon

Balch Petroleum contractors

Gasoline odor present beneath

vapor pot area, mainly fuel odor coating was on ~~the~~ vapor pot

sple (1) sidewalk sple = 6' bgs most gravelly clay - slight odor

sple (2) beneath piping ~ 3' bgs in most black cl. - od odor

R. Davis said they might overexcavate in these two areas based on soil sple results

Contact R. Davis

Title Geologist

Signature R. Robert A. Davis

Inspector B. Chan

Signature B. Chan

II, III

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
 Alameda CA 94502
 510/567-6700

Hazardous Materials Inspection Form

II, III

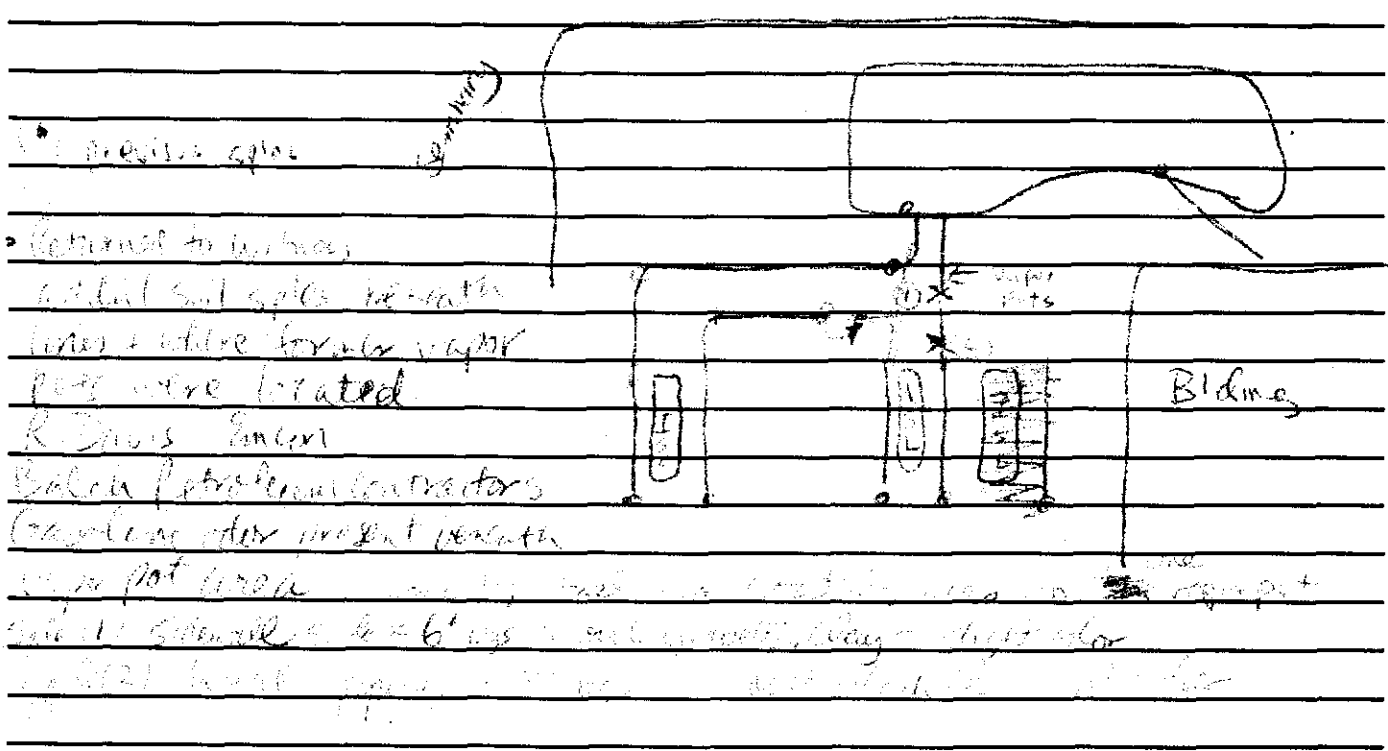
Site ID # 3942 Site Name ARCO #6002 Today's Date 3/11/96
 Site Address 6235 Seminary Ave
 City Oakland Zip 94605 Phone _____

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

Inspection Categories:
 ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 ____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
 ____ III. Under ground Storage Tanks

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

Comments:



R. Davis said they might overexcavate in these two areas based on soil sample results.

Contact R. Davis
 Title Geologist
 Signature R. Davis

Inspector B. Chan
 Signature B. Chan

II, III

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
 Alameda CA 94502
 510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # 3942 Site Name ARCO #6002 Today's Date 3/8/96
 Site Address 6235 Seminary Ave
 City Oakland Zip 94605 Phone _____

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

Inspection Categories:

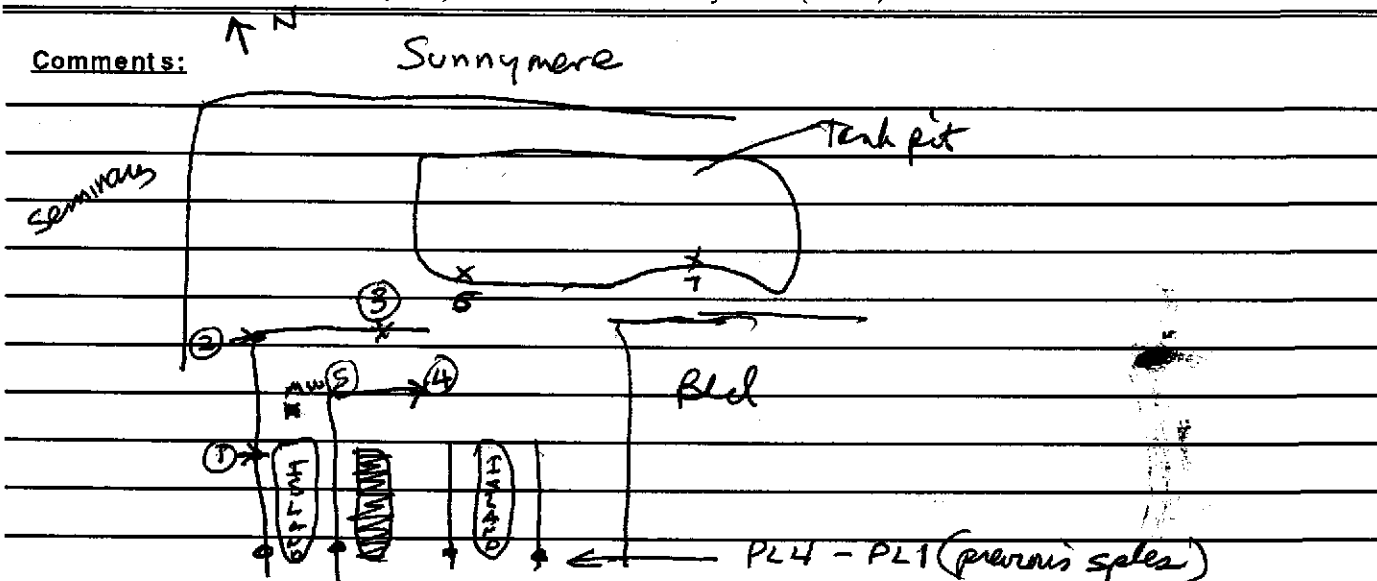
I. Haz. Mat/Waste GENERATOR/TRANSPORTER

II. Hazardous Materials Business Plan, Acutely Hazardous Materials

III. Under ground Storage Tanks

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

Comments:



Witness addnl piping run samples subsequent to UST removals
 Rob Davis - Emcon project mgr., Balch Petroleum - contractor
 Some f.p. observed in westernmost piping run near MW (sple 3 location)
 sple 1 - ~ 3' bgs beneath FP, black moist gravelly clay, no odor - ^{drill sple} taken
 sple 2 - ~ 3' bgs, in corner at bend in piping, gray gravelly clay - slight odor
 sple 3 - ~ 4' bgs, in black moist clay - slight gas odor - shallower ^{sple} had less odor
 sple 4 - ~ 4' bgs, in black moist clay - slight gas odor " " " " " "
 sple 5 - ~ 3' bgs, brown moist clay - no odor observed
 sple 6 - ~ 6' bgs in SW corner of tank pit which had been overexc. - sl. odor
 sple 7 - ~ 5' bgs in SE section of " " " " " " - no odor observed

Contact _____
 Title _____
 Signature X Robert K Davis, EMCON
 Inspector B. Chan
 Signature B. Chan

Addnl excavation of piping will be done + resampling scheduled for Monday 3/11/96

II, III

white - env. health
 yellow - facility
 pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy
 Alameda CA 94502
 510/567-6700

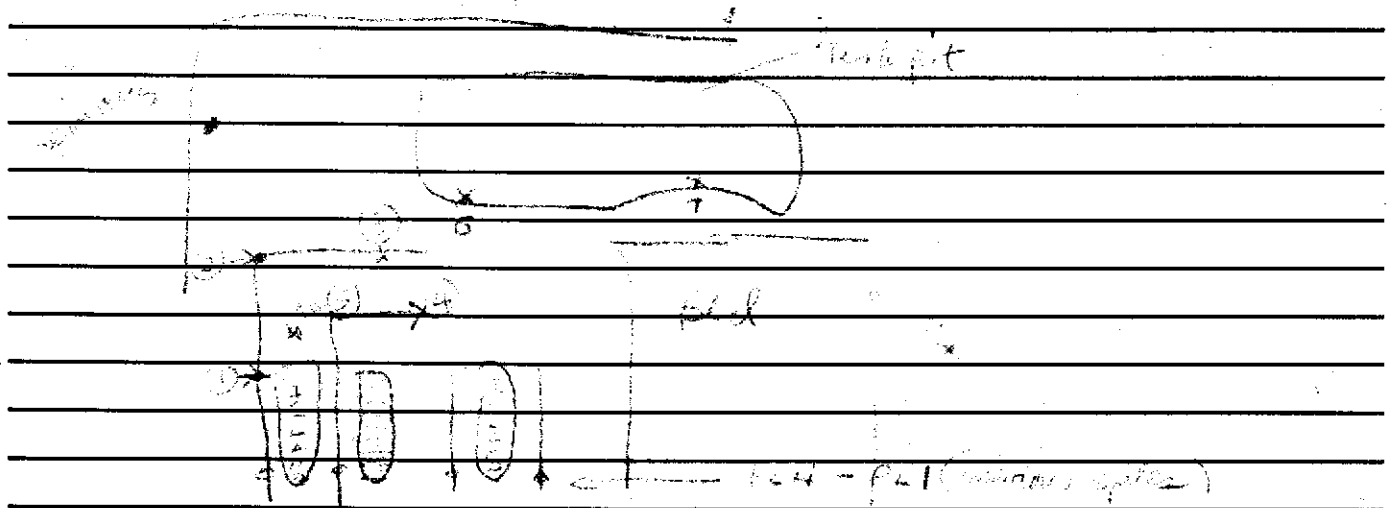
II, III

Site ID # 3042 Site Name 625 5th St Today's Date 5/2/92
 Site Address 625 5th St
 City Oakland Zip 94605 Phone _____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?
Inspection Categories:
 ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 ____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
 III. Under ground Storage Tanks

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

Comments:



Notes - 1. Sub - 3' deep, 2' wide, 2' long, 1' high, 1' diameter
 2. Sub - 3' deep, 2' wide, 2' long, 1' high, 1' diameter
 3. Sub - 3' deep, 2' wide, 2' long, 1' high, 1' diameter
 4. Sub - 3' deep, 2' wide, 2' long, 1' high, 1' diameter
 5. Sub - 3' deep, 2' wide, 2' long, 1' high, 1' diameter
 6. Sub - 3' deep, 2' wide, 2' long, 1' high, 1' diameter
 7. Sub - 3' deep, 2' wide, 2' long, 1' high, 1' diameter

Contact _____
 Title _____
 Signature [Signature]
 Inspector _____
 Signature _____

II, III



white - env. health
 yellow - facility
 pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
 Alameda CA 94502
 510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name ARCO # 6002 Today's Date 3/6/96
 Site Address 6235 Seminary Ave
 City Oakland Zip 94605 Phone _____

Manifest # 95590590 + 95590591

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

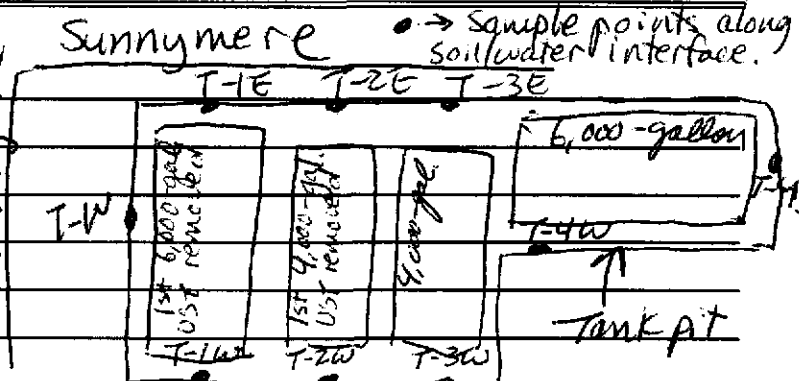
Inspection Categories:

- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
- ____ III. Under ground Storage Tanks

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

Comments:

Came out to site to witness the removal of two 4,000-gallon + two 6,000-gallon gas USTs. Chaney Williams, Oakland Fire Dept, out at site. Strong gas odor emanating from pit and a great deal of floating product observed in tank pit. The 1st 4,000-gallon UST removed had most of its tar wrapping eroded on top-possibly due to the floating product coming into contact w/ wrapping. No holes were observed in this tank. No holes observed in 1st 6,000-gallon UST removed-tar wrapping on this tank had eroded in same fashion as the above 4,000-gallon UST. What appears to be floating product may partially be resulting from the tar wrapping according to Balah Petroleum. The 2nd 4,000-gallon UST was removed w/ 0% LEL + 1% O₂. No evident holes. Tar wrapping on this tank also worn, except for at very bottom. The 2nd 6,000-gallon UST was removed w/ 1% LEL + 1% O₂. No apparent holes. Some of piping between the tank pit and the pump islands will be removed at a later date, after overexcavation of the tank pit. Spil samples T-3W + T-2W were clayey gravel. T-3W was not stranded w/ little odor. T-2W was green w/ no odor.



Contact Rob Davis, EMCON
 Title Geologist
 Signature Rob Davis, EMCON

Inspector Juliet Shin
 Signature Juliet Shin

II, III

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

II, III

White -- env. health
Yellow -- facility
Pink -- files

Site ID # _____ Site Name ARCO # 6002 Today's Date 3/6/96
Site Address 6235 Seminary Ave
City Oakland Zip 94605 Phone _____

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

Inspection Categories:

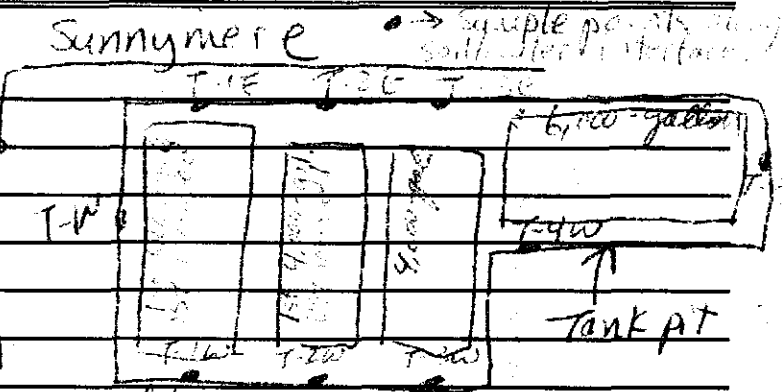
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
____ III. Under ground Storage Tanks

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

Manifest # 95590590 + 15590591

Comments:

Came out to site to witness the removal of two 4,000-gallon + two 6,000-gallon gas USTs. Cheney Williams, Oakland Fire Dept, out at site. Strong no odor emanating from pit and a great deal of floating product observed in tank pit. The 1st 4,000-gallon UST removed had most of its tar wrapping eroded on top-possibly due to the floating product coming into contact w/ wrapping. No holes were observed in this tank. The holes observed in 1st 6,000-gallon UST removed-tar wrapping on this tank had eroded in same fashion as the a hole 4,000-gallon UST. What appears to be floating product may partially be resulting from the tar wrapping according to Ralph Peterson. The 2nd 4,000-gallon UST was removed w/ 0% LEL + 1% O₂. No evident holes. Tar wrapping on this tank also worn, except for at bottom. The 2nd 6,000-gallon UST was removed w/ 1% LEL + 1% O₂. No apparent holes. Some of piping between the tank pit and the pump islands will be removed at a later date, after excavation of the tank pit. Soil samples T-3W + T-7W were taken. T-3W was not stained w/ little odor. T-7W was green w/ no odor.



Contact Rob Davis, EMCAN
Title Geologist
Signature Rob Davis, EMCAN

Inspector Juliet Shin
Signature Juliet Shin

II, III





of Sewerage

Summers





green soil



Sample PL-3
behind piping



white - env. health
 yellow - facility
 pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name ARCO #6002 Today's Date 3/6/96

II.A BUSINESS PLANS (Title 19)

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

Site Address 6235 Seminary Ave

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)

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)

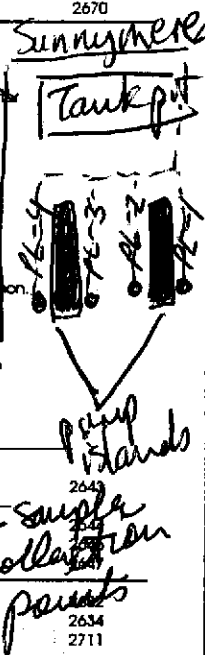
- General
- ___ 1. Permit Application 25284 (H&S)
 - ___ 2. Pipeline Leak Detection 25292 (H&S)
 - ___ 3. Records Maintenance 2712
 - ___ 4. Release Report 2651
 - ___ 5. Closure Plans 2670

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

- ___ 7. Precs Tank Test 2643
- ___ Date: _____
- ___ 8. Inventory Rec. 2634
- ___ 9. Soil Testing 2711
- ___ 10. Ground Water.

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

Comments:
 Sample T-1W was clayey gravel and very green, but no odor. All soil samples from this soil/water interface appear to have been collected from ~ 8' feet bgs. Sample T-4S was not green & had no odor. Plant roots intermixed in sample. Sample T-4W had slight odor & slight green color. A duplicate sample was collected from T-4S. Soil sample T-3E was clayey gravel, moist/wet, green, w/ hoodor. T-2E had odor, green, clayey gravel. Samples T-1E and T-1N were green and had faint odor. Soil samples were collected from beneath the piping, adjacent to the pump islands. Samples were collected from ~ 1/2 - 3' bgs. Soil samples had more clay content than those samples collected from tank pit. Rob, EMCON, stated that some geotechnical samples would also be collected for a risk assessment. Over excavation of tank pit will begin tomorrow. Stockpiled soil samples will be collected after all excavation of tank pit & product lines are completed. Sample PL-3 had slight odor & staining.



Rev 6/88 Piping near samples PL-1 & PL-3 were corroded

Contact: Rob Davis, EMCON
 Title: Geologist
 Signature: Rob Davis, EMCON

Inspector: Juliet Shin
 Signature: Juliet Shin

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

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

II, III

Site ID # _____ Site Name ARCO #6002 Today's Date 8/6/96

Site Address 6235 Seminary Ave
 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:

Sample T-1W was clayey gravel and very green, but no odor. All soil samples from the soil/water interface appear to have been collected from ~ 84 foot bgs. Sample T-4S was not green + had no odor. Plant roots intermixed in sample. Sample T-4W had slight odor + slight green color. A duplicate sample was collected from T-4S. Soil sample T-3E was clayey gravel, moist/wet, green, w/ heaver. T-2E had odor, green, clayey gravel. Samples T-1E and T-1N were green and had faint odor. Soil samples were collected from beneath the piping, adjacent to the pump islands. Samples were collected from ~ 1/2 - 3' bgs. Soil samples had more clay content than these samples collected from tank pit. Rob, EMCON, stated that some geotechnical samples would also be collected for a risk assessment. Over excavation of tank pit will begin tomorrow. Stack pile soil samples will be collected after all excavation of tank pit + product lines are completed. Sample PL-3 had slight odor + staining.

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

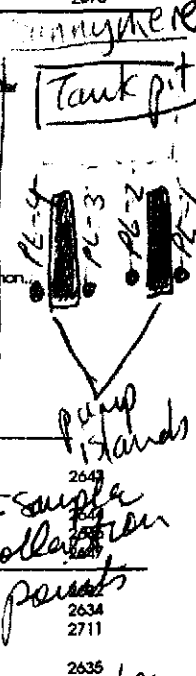
- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OnSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(i)
- 18. Exemption Request? (Y/N)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

III. UNDERGROUND TANKS (Title 23)

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

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

- New Tanks
- 7. Precs Tank Test 2649
 - Date: _____
 - 8. Inventory Rec. 2634
 - 9. Soil Testing 2711
 - 10. Ground Water.
 - 11. Monitor Plan
 - 12. Access, Secure
 - 13. Plans Submit 2634
 - Date: _____
 - 14. As Built 2635
 - Date: _____



Rev 6/88

Contact: Rob Davis, EMCON
 Title: Geologist
 Signature: Rob Davis, EMCON

Inspector: Juliet Shin
 Signature: Juliet Shin

Piping near samples PL-1 & PL-3 were collected



EMCON

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

FAX TRANSMITTAL

TO: MS JULIET SHIN

DATE: 1/23

FROM: JOHN YOUNG

TIME: 3:32

Number of Pages 4 (Including Cover Page)

If you have received this communication in error, please notify us at the telephone number listed above.

Sender Note: Complete if applicable.

CLIENT: _____

Project/Task #: _____

PHONE #: _____

FAX #: (510) 337-9335

Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is confidential information intended for the use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited.

COMMENTS:

DRAFT 6002

TIER 1

ORIGINAL TO FOLLOW:

ORIGINAL WILL NOT FOLLOW:

BROADCAST:

ANY QUESTIONS REGARDING THIS TRANSMISSION, PLEASE CALL THE NUMBER LISTED ABOVE





Designation: E 1739 - 95

AMERICAN SOCIETY FOR TESTING AND MATERIALS
100 Barr Harbor Dr., West Conshohocken, PA 19428
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If not listed in the current combined index, will appear in the next edition.

Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites¹

This standard is issued under the fixed designation E 1739; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This is a guide to risk-based corrective action (RBCA), which is a consistent decision-making process for the assessment and response to a petroleum release, based on the protection of human health and the environment. Sites with petroleum release vary greatly in terms of complexity, physical and chemical characteristics, and in the risk that they may pose to human health and the environment. The RBCA process recognizes this diversity, and uses a tiered approach where corrective action activities are tailored to site-specific conditions and risks. While the RBCA process is not limited to a particular class of compounds, this guide emphasizes the application of RBCA to petroleum product releases through the use of the examples. Ecological risk assessment, as discussed in this guide, is a qualitative evaluation of the actual or potential impacts to environmental (nonhuman) receptors. *There may be circumstances under which a more detailed ecological risk assessment is necessary* (see Ref (1)).²

1.2 The decision process described in this guide integrates risk and exposure assessment practices, as suggested by the United States Environmental Protection Agency (USEPA), with site assessment activities and remedial measure selection to ensure that the chosen action is protective of human health and the environment. The following general sequence of events is prescribed in RBCA, once the process is triggered by the suspicion or confirmation of petroleum release:

1.2.1 Performance of a site assessment;

1.2.2 Classification of the site by the urgency of initial response;

1.2.3 Implementation of an initial response action appropriate for the selected site classification;

1.2.4 Comparison of concentrations of chemical(s) of concern at the site with Tier 1 Risk Based Screening Levels (RBSLs) given in a look-up table;

1.2.5 Deciding whether further tier evaluation is warranted, if implementation of interim remedial action is warranted or if RBSLs may be applied as remediation target levels;

1.2.6 Collection of additional site-specific information as necessary, if further tier evaluation is warranted;

1.2.7 Development of site-specific target levels (SSTLs) and point(s) of compliance (Tier 2 evaluation);

1.2.8 Comparison of the concentrations of chemical(s) of concern at the site with the Tier 2 evaluation SSTL at the determined point(s) of compliance or source area(s);

1.2.9 Deciding whether further tier evaluation is warranted, if implementation of interim remedial action is warranted, or if Tier 2 SSTLs may be applied as remediation target levels;

1.2.10 Collection of additional site-specific information as necessary, if further tier evaluation is warranted;

1.2.11 Development of SSTL and point(s) of compliance (Tier 3 evaluation);

1.2.12 Comparison of the concentrations of chemical(s) of concern at the site at the determined point(s) of compliance or source area(s) with the Tier 3 evaluation SSTL; and

1.2.13 Development of a remedial action plan to achieve the SSTL, as applicable.

1.3 The guide is organized as follows:

1.3.1 Section 2 lists referenced documents,

1.3.2 Section 3 defines terminology used in this guide,

1.3.3 Section 4 describes the significance and use of this guide,

1.3.4 Section 5 is a summary of the tiered approach,

1.3.5 Section 6 presents the RBCA procedures in a step-by-step process,

1.3.6 Appendix X1 details physical/chemical and toxicological characteristics of petroleum products,

1.3.7 Appendix X2 discusses the derivation of a Tier 1 RBSL Look-Up Table and provides an example,

1.3.8 Appendix X3 describes the uses of predictive modeling relative to the RBCA process,

1.3.9 Appendix X4 discusses considerations for institutional controls, and

1.3.10 Appendix X5 provides examples of RBCA applications.

1.4 This guide describes an approach for RBCA. It is intended to compliment but not supersede federal, state, and local regulations. Federal, state, or local agency approval may be required to implement the processes outlined in this guide.

1.5 The values stated in either inch-pound or SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.6 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

¹ This guide is under the jurisdiction of ASTM Committee E-30 on Environmental Assessment and is the direct responsibility of Subcommittee E50.01 on Storage Tanks.

Current edition approved Sept. 10, 1995. Published November 1995. Originally published as E 38 - 94. Last previous edition E 38 - 94.

² The boldface numbers in parentheses refer to the list of references at the end of this guide.

2. Referenced Documents

2.1 *ASTM Standard:*



TABLE X2.1 Example Tier 1 Risk-Based Screening Level (RBSL) Look-up Table^A

NOTE—This table is presented here only as an example set of Tier 1 RBSLs. It is not a list of proposed standards. The user should review all assumptions prior to using any values. Appendix X2 describes the basis of these values.

Exposure Pathway	Receptor Scenario	Target Level	Benzene	Ethylbenzene	Toluene	Xylenes (Mixed)	Napthalenes	Benzo (a)pyrene
Air								
Indoor air screening levels for inhalation exposure, $\mu\text{g}/\text{m}^3$	residential	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	3.92E-01 3.92E+01		1.39E+03	5.56E+02	9.73E+03	1.86E-03 1.86E-01
	commercial/ industrial	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	4.93E-01 4.93E+01		1.46E+03	5.84E+02	1.02E+04	2.35E-03 2.35E-01
Outdoor air screening levels for inhalation exposure, $\mu\text{g}/\text{m}^3$	residential	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	2.94E-01 2.94E+01		1.04E+03	4.17E+02	7.30E+03	1.40E-03 1.40E-01
	commercial/ industrial	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	4.93E-01 4.93E+01		1.46E+03	5.84E+02	1.02E+04	2.35E-03 2.35E-01
OSHA TWA PEL, $\mu\text{g}/\text{m}^3$			3.20E+03	4.35E+05	7.53E+05	4.35E+06	5.00E+04	2.00E+02 ^A
Mean odor detection threshold, $\mu\text{g}/\text{m}^3$ ^B			1.95E+05		6.00E+03	8.70E+04	2.00E+02	
National indoor background concentration range, $\mu\text{g}/\text{m}^3$ ^C			3.25E+00 to 2.15E+01	2.20E+00 to 9.70E+00	9.60E-01 to 2.91E+01	4.05E+00 to 4.76E+01		
Soil								
Soil volatilization to outdoor air, mg/kg	residential	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	2.72E-01 2.73E+01	RES	RES	RES	RES	RES ^D RES
	commercial/ industrial	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	4.57E-01 4.57E+01	RES	RES	RES	RES	RES RES
Soil-vapor intrusion from soil to buildings, mg/kg	residential	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	5.37E-03 5.37E-01	4.27E+02	2.06E+01	RES	4.07E+01	RES RES
	commercial/ industrial	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	1.09E-02 1.09E+00	1.10E+03	5.45E+01	RES	1.07E+02	RES RES
Surficial soil (0 to 3 ft) (0 to 0.9 m) ingestion/dermal/inhalation, mg/kg	residential	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	5.82E+00 5.82E+02	7.83E+03	1.33E+04	1.46E+06	9.77E+02	1.30E-01 1.30E+01
	commercial/ industrial	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	1.00E+01 1.00E+03	1.15E+04	1.87E+04	2.08E+05	1.90E+03	3.04E-01 3.04E+01
Soil-leachate to protect ground water ingestion target level, mg/kg	residential	MCLs cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	2.93E-02 1.72E-02 1.72E+00	1.10E+02	1.77E+01	3.05E+02	N/A	9.42E+00 5.90E-01 RES
	commercial/ industrial	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	5.78E-02 5.78E+00	5.75E+02	1.29E+02	RES	2.29E+01	1.85E+00 RES
Ground Water								
Ground water volatilization to outdoor air, mg/L	residential	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	1.10E+01 1.10E+03	>S	>S	>S	>S	>S ^E >S
	commercial/ industrial	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	1.84E+01 >S	>S	>S	>S	>S	>S >S
Ground water ingestion, mg/L	residential	MCLs cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	5.00E-03 2.94E-03 2.94E-01	7.00E-01	1.00E+00	1.00E+01	N/A	2.00E-04 1.17E-05 1.17E-03
	commercial/ industrial	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	9.87E-03 9.87E-01	3.65E+00	7.30E+00	7.30E+01	1.46E-01	9.92E-05 >S
Ground water—vapor intrusion from ground water to buildings, mg/L	residential	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	2.38E-02 2.38E+00	7.75E+01	3.28E+01	>S	4.74E+00	>S >S
	commercial/ industrial	cancer risk = $1\text{E}-06$ cancer risk = $1\text{E}-04$ chronic HQ = 1	7.39E-02 7.39E+00	>S	8.50E+01	>S	1.23E+01	>S >S

^A As benzene soluble coal tar pitch volatiles.

^B See Ref (22).

^C See Refs (23–25).

^D RES—Selected risk level is not exceeded for pure compound present at any concentration.

^E >S—Selected risk level is not exceeded for all possible dissolved levels (\leq pure component solubility).

004

EMCON FIELD SVCS

4084530452

01/23/96 16:35



From the desk of
John Young ...

ARCO 6002

TIER 1

H₂O

GROUNDWATER-VAPOR INTRUSION FROM GW
TO BUILDINGS (ug/l)

COMMERCIAL/INDUSTRIAL
BENZENE

10⁻⁶ 7.39E-02

10⁻⁴ 7.39E+00

ASSUME 10⁻⁵ RISK

7.39E-01

= .739 mg/l

RWQCB CORRECTION

.739 x .29

= .21431

* = .214 mg/l

BENZENE IN
MW-1 IS
1200 TO 5200 ug/l



From the desk of
John Young ...

ARCO 6002

TIER 1

SOIL

SOIL VAPOR TO BUILDINGS

COMMERCIAL/INDUSTRIAL

CANCER RISK BENZENE

10⁻⁶ 1.09E-02

10⁻⁴ 1.09E+00

ASSUME FOR 10⁻⁵ RISK

1.09E-01

= .109 mg/kg

RWQCB RBSL CORRECTION

.109 mg/kg x .29

= 0.03161

* = 0.032 mg/kg

(@ 5')

BENZENE IN SOIL HAS RANGED FROM
ND 0.005 TO 0.066 mg/kg

=== COVER PAGE ===

TO: _____

FAX: 3379335

FROM: SEMINARY ARCO

FAX: 5106331305

TEL: 5106331042

COMMENT: PLEASE CALL

*1/16/96 - left message for Samir Patel.
County cannot endorse
contractors.*

DATE: Jan. 12, 1996

VIA FACSIMILE
(510) 337-9335

FROM: Samir Patel

TO: J. Shin

RE: 6235 Seminary Ave., Oakland, Ca. 94605

Dear Ms. Shin,

I have been able to ascertain the names of the contractors that are to bid on this project and I would like to make them available to you.

Since only three contractors are bidding this job, your inquires into their capability should be easy for I have also provided their State Contractor numbers.

Regard this list as preliminary for your purposes of identifying qualifications of these contractors to do the said job. Actual contractor will be named later out of one of these three.

CONTRACTORS:

American Construction and Environmental Services
567 Exchange Ct.
Livermore, Ca. 94550
(510) 447-2484 (Mr. Fred Kirby or Rick Henderson)
State Cont. No: 702214

Gettler-Ryan, Inc.
6747 Sierra Ct., Suite J
Dublin, Ca. 94568
(510) 551-7555 (Mr. Scot Listar)
State Cont. No: 220793

Balch Petroleum Inc.
930 Ames Ave.
Milpitas, Ca. 95035
(408) 942-8686 (Tom Balch or Bill Balch)
State Cont. No: 396575

Thank you for consideration and cooperation.



Samir V. Patel

MEETING
6235 Seminary Ave.
Oakland 94605
January 16, 1996

Attending: Michael Whelan, ARCO
John Young, EMCON
Susan Hugo, ACDEH
Juliet Shin, ACDEH

- o ARCO sent a response letter to Russell Edwards' August 17, 1995 letter several weeks ago regarding access. Mr. Edwards has not yet responded to ARCO's proposal to provide \$200.00 to the Edwards to have their attorney review over the access agreement. Ms. Shin stated that she would contact Mr. Edwards to check on the status.
- o ARCO brought up the rescission of LG138 letter, dated May 17, 1995, where the State requires that installation of any new dispensers and pump islands to have secondary containment to detect any fuel releases. ARCO stated that they were worried that any future releases from the new dispenser islands may commingle with the existing plume, and there would be no way to discern the existing plume from the new plume.
- o ARCO mentioned that they are planning to sample groundwater for bioattenuation conditions.
- o ARCO will look at the risk on site, for commercial, and off site for residential using RBCA. If there is a risk to off site, ARCO is planning to propose a vapor barrier in the vicinity of Well MW-5, where they will dig trenches and install an air sparge and vapor extraction system.
- o Ms. Shin will get back to Mr. Whelan this week on acceptable concentrations, risks (such as 10^{-6} or 10^{-4} , etc.), and Tier 2 issues, and Mr. Whelan will write a letter in two weeks to this office summarizing the decisions made in this meeting and planned work at the site.
- o The Risk Assessment is expected to be done in the 1st quarter of '96 for the residential scenario. Values from Well MW-5 will be incorporated into the residential risk scenario.

- o Look into whether or not any of the existing tanks were ever used to store leaded gasoline.
- o Installation should require landfill receipts



Consulting Engineers

Civil • Planning • Surveying • Environmental

December 20, 1995
Priority FedEx

Shin
Julia ~~Chen~~
Alameda County Environmental Health
1131 Harbor Bay Pkwy., Ste. 250
Alameda, CA 94502-6577

RE: ARCO Fac. 6002
6235 Seminary Ave., Oakland, CA
Tait Job AR-672

Dear Julia

On behalf of ARCO Products Company, Tait & Associates is pleased to submit the following items for an underground tank and piping removal permit:

1. Three copies of Site Plan
2. Three copies of Underground Piping Closure Plan
3. One copy of State Form A and four copies of State Form B

The focus of this project is to remove all underground tanks and lines in preparation for installation by others. As discussed in a recent conversation with Dolores Fazio of this office, the permit fee is waived on account of the current environmental investigation at this site. Note that we will provide contractor information once one is selected by bid. Please review this application at your earliest convenience. Don't hesitate to call should you have any questions or comments. Thank you for your assistance.

Respectfully
TAIT & ASSOCIATES

Thomas Schoenstein
Project Architect

enc: as noted


cc: Jim Martin, ARCO Products Company
Mike Whelan, ARCO Products Company
Beverly Fleming, ARCO Products Company



EMCON Associates

1921 Ringwood Avenue • San Jose, California 95131-1721
(408) 453-7300 • Fax (408) 437-9526
Voice Mail (408) 453-7319 Ext. 2043

Rob Davis
Geologist

Environmental Services 

AR-672

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

Subscribed 2/14/96
Project Specialist
Please regard for additional comments in red ink. Please notify this office at least one week prior to beginning work.

ACCEPTED

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

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

- Removal of Tank(s) and Piping
 - Sampling
 - Final Inspection
- Issuance of a permit to operate, b) permittee site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Contact Specialist:

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Name of Business ARCO FACILITY # 6002
Business Owner or Contact Person (PRINT) ARCO PRODUCTS CO. ATTN: ENVIRONMENTAL HEALTH & SAFETY
2. Site Address 6235 SEMINARY AVE.
City OAKLAND Zip 94605 Phone (510)633-1042
3. Mailing Address ARCO PRODUCTS CO., ATTN: ENVIRON. HEALTH & SAFETY
P.O. BOX 6038
City ARTESIA Zip 90702-6038 Phone (714)670-5405
4. Property Owner ATLANTIC-RICHFIELD Co. dba
ARCO PRODUCTS COMPANY
Business Name (if applicable) ATTN: ENVIRON. HEALTH & SAFETY
Address P.O. BOX 6038
City, State ARTESIA, CA Zip 90702-6038
5. Generator name under which tank will be manifested
ARCO PRODUCTS CO.
EPA ID# under which tank will be manifested CA 6923584301

6. Contractor BALCH PETROLEUM (Bill Balch)
Address 930 AMES AVENUE
City MILPITAS, CA 95035 Phone (408) 942 8080
License Type A, B, HAZ, 390575 ID# _____

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

7. Consultant (if applicable) EMCON
Address 1921 RINGWOOD AVE
City, State SAN JOSE CA 95131-1721 Phone (408) 453 7300

8. Main Contact Person for Investigation (if applicable)
Name JOHN YOUNG Title PROJECT MGR.
Company EMCON
Phone (408) 453 7300

9. Number of underground tanks being closed with this plan 4
Length of piping being removed under this plan ± 170 FT TRENCH
Total number of underground tanks at this facility (**confirmed with owner or operator) 4

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

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

a) Product/Residual Sludge/Rinsate Transporter
Name H+H Ship Service EPA I.D. No. CAD 004771168
Hauler License No. 0334 License Exp. Date 1-31-97
Address 220 China Basin St.
City San Francisco State CA zip 94107

b) Product/Residual Sludge/Rinsate Disposal Site
Name H+H Ship Service EPA ID# CAD 004771168
Address 220 China Basin St.
City San Francisco State CA zip 94107

c) Tank and Piping Transporter

Name H & H SHIPPING EPA I.D. No. CAD 00477 1168
Hauler License No. 0034 License Exp. Date _____
Address 220 CHINA BASIN
City SAN FRANCISCO State CA Zip 94107

d) Tank and Piping Disposal Site

Name H & H SHIPPING EPA I.D. No. CAD004771168
Address 220 CHINA BASIN
City SAN FRANCISCO State CA Zip 94107

11. Sample Collector

Name JOHN YOUNG
Company EMCON
Address 1921 RINGWOOD AVE
City SAN JOSE State CA Zip 95131 Phone (408) 453 7300

12. Laboratory

Name COLUMBIA ANALYTICAL SERVICES (CAS)
Address 1921 RINGWOOD AVE
City SAN JOSE State CA Zip 95131-1721
State Certification No. 1420

CONTACT: STEVE GREEN (408) 437 2400

13. Have tanks or pipes leaked in the past? Yes No Unknown

If yes, describe. The site documented a failed tank test at the site in October '93 and filed an Unauthorized Leak/Report form on October 25 '93.

PRODUCT WILL BE PURGED BACK TO TANK WITH NITROGEN GAS PRIOR TO PIPING REMOVAL. DRY ICE (CO₂) TANK UNTIL INERT TO SATISFACTION OF OFFICIALS.

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

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

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

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
4000 GAL UNL MID	REMOVE (INSTALL) FEB '90 ('72)	SOIL	12 IN. FROM EACH END OF TANK 1-2 FT BELOW TANK (2 SAMPLES EACH TANK)
4000 GAL UNL REG	FEB 90 ('72)	SOIL	
6000 GAL UNL REG	FEB 90 ('72)	SOIL	
6000 GAL UNL SUPER	FEB 90 ('72)	SOIL	
		At a minimum	
		If groundwater is encountered one soil sample shall be collected from both ends of the tank at the soil/water interface.	

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

Excavated/Stockpiled So

Stockpiled Soil Volume (estimated)

Sampling Plan

A minimum of one composite sample per every 50 cubic yards if planning to dispose of off site. A minimum of one discreet sample per every 20 cubic yards if planning to reuse on site.

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

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

If yes, explain reasoning _____

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

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

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

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
TPH _g	GC/FID 5030	8015 modified	Soil 1ppm H ₂ O 50ppb
BTEX	5030	8020 (GC/FID) or 8240 (GC/MS) (602, 624, or 8260 for H ₂ O)	1005-0.5ppm 0.5ppb
MTBE		8020	* 35ppb?
* Currently proposed MCL for MTBE			

18. Submit Worker's Compensation Certificate copy

Name of Insurer J.F. Arents and Company

19. Submit Plot Plan ***** (See Instructions) *****

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery.

The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

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

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

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

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

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

CONTRACTOR INFORMATION

Name of Business BALCH PETROLEUM, MILPITAS, CA.

Name of Individual Bill Balch

Signature Bill Balch Date 2/8/96

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business ARCO Products Co

Name of Individual Jim C. Martin

Signature JC Martin Date 12/18/95

INSTRUCTIONSGeneral Instructions

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

Line Item Specific Instructions

2. SITE ADDRESS
Address at which closure is taking place.
5. EPA I.D. NO. under which the tanks will be manifested
EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781.
6. CONTRACTOR
Prime contractor for the project.
10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
 - a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
 - c) Tanks must be hauled as hazardous waste.
 - d) This is the place where tanks will be taken for cleaning.
15. TANK HISTORY AND SAMPLING INFORMATION

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

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

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

16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMIT

See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN

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

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

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

These requirements are excerpts from 29 CFR Part 1910.120(b)(4), Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN

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

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

20. DEPOSIT

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

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

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

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

description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;

- d) Detailed description of sampling methods; i.e. backhoe bucket, drive sampler, bailer, bottle(s), sleeves
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Documentation of the disposal of/and volume and final destination of all non-manifested contaminated soil disposed offsite.

Balch Petroleum Contractors and Builders, Inc.
930 Ames Avenue
Milpitas, CA 95035

SITE HEALTH & SAFETY PLAN

ARCO Products Company #6002
6235 Seminary Ave.
Oakland, CA

Site Safety Officer: Designated daily
Workmen's Compensation: Republic Indemnity #95PC395862

B.) *Outline of Daily Safety Briefings*

- Hard hats will be worn while working around heavy equipment (safety glasses, ear plugs, boots, etc.) will be worn on the job site.
- No open flames, cigarettes, etc. will be allowed in the work area.
- The bungs on the tanks will be kept closed when removing the tank from the excavation.

C.) *Tank Excavation Procedures (If applicable):*

- Before any excavation work begins, ALL required permits shall be obtained. The estimated location of utility installations such as sewer, telephone, fuel, electric, water lines, or any other underground installations that may reasonably be expected to be encountered during excavation will be outlined. U.S.A. Dig will be called 48 hours prior to excavation.
- Excavation for the removal of underground tanks must be approached with extreme care to prevent undermining the foundations of existing structures. A minimum distance of five feet to the base of the adjacent structures or property lines is recommended. The total depth of the tank excavation is determined by the tank diameter, bedding thickness, holddown pad if required, depth of cover, and slope of piping.
- The slope of the walls of the excavation is determined by soil conditions and depth of excavation.
- Handling excavated materials which cannot be immediately removed from the site should be safely stockpiled away from the edge of the excavation keeping work areas clear of stockpiled material. Employees shall be protected from the excavation or other materials or equipment that could pose a hazard by falling or

- rolling into an excavation. Protection shall be provided by placing and keeping such materials or equipment at least 2 feet from the edge of the excavation or by use of retaining devices that are sufficient to prevent materials or equipment from falling in.
- If personnel are required to enter the excavation, walls must be sloped or shored. Work areas must be barricaded to protect the public and removal personnel. Removal crew must wear personal protective gear and have a fire extinguisher and first aid supplies on hand.
 - Employees shall not work in excavations where there is accumulated water unless adequate precautions have been taken to protect employees.
 - Daily inspections of excavations, the adjacent areas, and protective systems shall be made by a competent person for evidence of a situation that could result in a possible cave in, indications of failure of protective systems, hazardous atmospheres, or other hazardous conditions. An inspection shall also be made after every rain storm or other hazard increasing occurrence.
 - Where the competent person finds evidence of a situation that could result in possible cave in, indications of failure of protective systems, hazardous atmospheres, or other hazardous conditions, exposed employees shall be removed from the hazardous area until the necessary precautions have been taken to insure their safety.
 - All personnel working on the job site must wear safety gear. Hard hats, safety glasses, ear plugs, work boots, and gloves. Ladders and a safety harness should also be on site.

D.) *Potential Health and Safety Hazards:*

Fire: All source of ignitions will be removed from the tank vicinity while vapor freeing the tank.

Explosion: Gastech meter will be on site to measure the lower explosion limit of vapors in the tank to be removed.

Physical: No one is allowed to enter a trench or tank excavation deeper than five feet.

- Watch out for heavy equipment.
- Contact with dry ice may cause burns.

Chemical: The primary route of entry for aromatic hydrocarbons is through the lungs. Inhalation of aromatic hydrocarbons causes Central Nervous System depression and can lead to other effects such as damage to the liver, kidneys, and bone marrow. Vapors can also be absorbed through the skin. Prolonged exposure to the vapors can cause defatting of the skin and dermatitis.

Gasoline and Diesel Fuels: Gasoline is a complex blend of petroleum hydrocarbons and is primarily composed of paraffins, naphthenes, aromatics, and oleins. Gasoline is a colorless to red liquid with a petroleum odor. It is a flammable liquid with high volatility and its vapors are more dense than air. The eight hour Threshold Limit Value (TLV) for inhalation of gasoline vapors recommended by the American Conference of Governmental Hygienists is 300 ppm and the Short Term Exposure limit (STEL) is 500 ppm.

The inhalation of petroleum fuels may lead to dizziness, excitement, drowsiness, and a lack of coordination. In open areas, ventilation is usually adequate to minimize prolonged breathing of high gasoline vapor concentrations. Gasoline containing BTEX may be partially carcinogenic in laboratory animals. A hazard assessment of these compounds is listed below.

When certain proportions of a combustible vapor are mixed with air and a source of ignitions is present, an explosion can occur. The explosive range of gasoline concentrations is 1.4% to 8%. The lowest percentage at which an explosion will occur is the Lower Explosion Limit (LEL.) Gasoline has a flash point of -45 degrees C or -49 F. Extreme caution must be taken to prevent sources of ignition from coming in contact with gasoline vapors.

AROMATIC PETROLEUM DISTILLATES:

COMPOUNDS	TLV
Benzene	10 ppm
Toluene	100 ppm
Xylene	100 ppm
Ethyl Benzene	100 ppm

These chemicals are found in varying concentration of gasoline. They are colorless liquids with strong aromatic petroleum hydrocarbon-like odors. They are all flammable and moderately volatile. Their vapors are heavier than air and have low solubility in water.

The anticipated level of these chemicals detected at the *ARCO facility* are considered low enough not to pose a potential threat.

E.) Action Levels:

Chemical: If any of the symptoms listed above are encountered, evacuate the area and notify the Site Safety Officer. He/She will determine the proper action to be taken.

Explosion: If the LEL reading from the Gastech is over 20% for petroleum hydrocarbons or 10% for oxygen, the tank will not be removed from the excavation.

F.) Air/Environmental Monitoring:

Because the tank has no history of leakage and no soil contamination is expected, the only air monitoring that will be performed will be performed with the LEL meter. The tank bungs will be kept closed except for the vent lines which will remain open during the vapor freeing process. All tank vapors will be vented to a minimum of 12 feet above grade and 3 feet above the roof of the existing buildings.

G.) *Confined Space Entry:*

Employees are prohibited from entering into confined space without a Permit to work in Confined Space. A confined space is defined as those where the ventilation is so poor that dangerous levels of air contamination and/or oxygen deficiency can occur, and it is difficult to get to or remove an injured worker because of the location or size of the openings. Examples of confined spaces are tank cars or trucks storage tanks, sewers, wells and shafts.

Those authorized to issue a permit are Tom Balch, Bill Balch, Tom Evernden, and Kelly Fukui.

H.) *Decontamination Procedures:*

Personnel engaged in trenching or excavation of potentially contaminated material will decontaminate by washing personal protective equipment, hands, and face with soap and water as necessary.

I.) *Securing of the Site:*

- Barricades and caution tape will be placed around the immediate excavation and trenches. The work area will be fenced.
- All excavated material will be placed on and covered with visqueen.

J.) *Emergency Contingency Plan:*

The nearest hospital is:

Highland General Hospital
1411 E 31st Street
Oakland, CA
(510) 437-4557

First Aid Cases should be directed to:

Doctor's on Duty
1901 N. Capitol Ave.
San Jose, CA
(408) 942-0333

In case of an emergency, dial 9-1-1.
Balch Petroleum: 1-800-266-8685.

474.
472.
470.
12
FOR CONTINUATION SEE MAP

FOR CONTINUATION SEE MAP

464.
462.
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13

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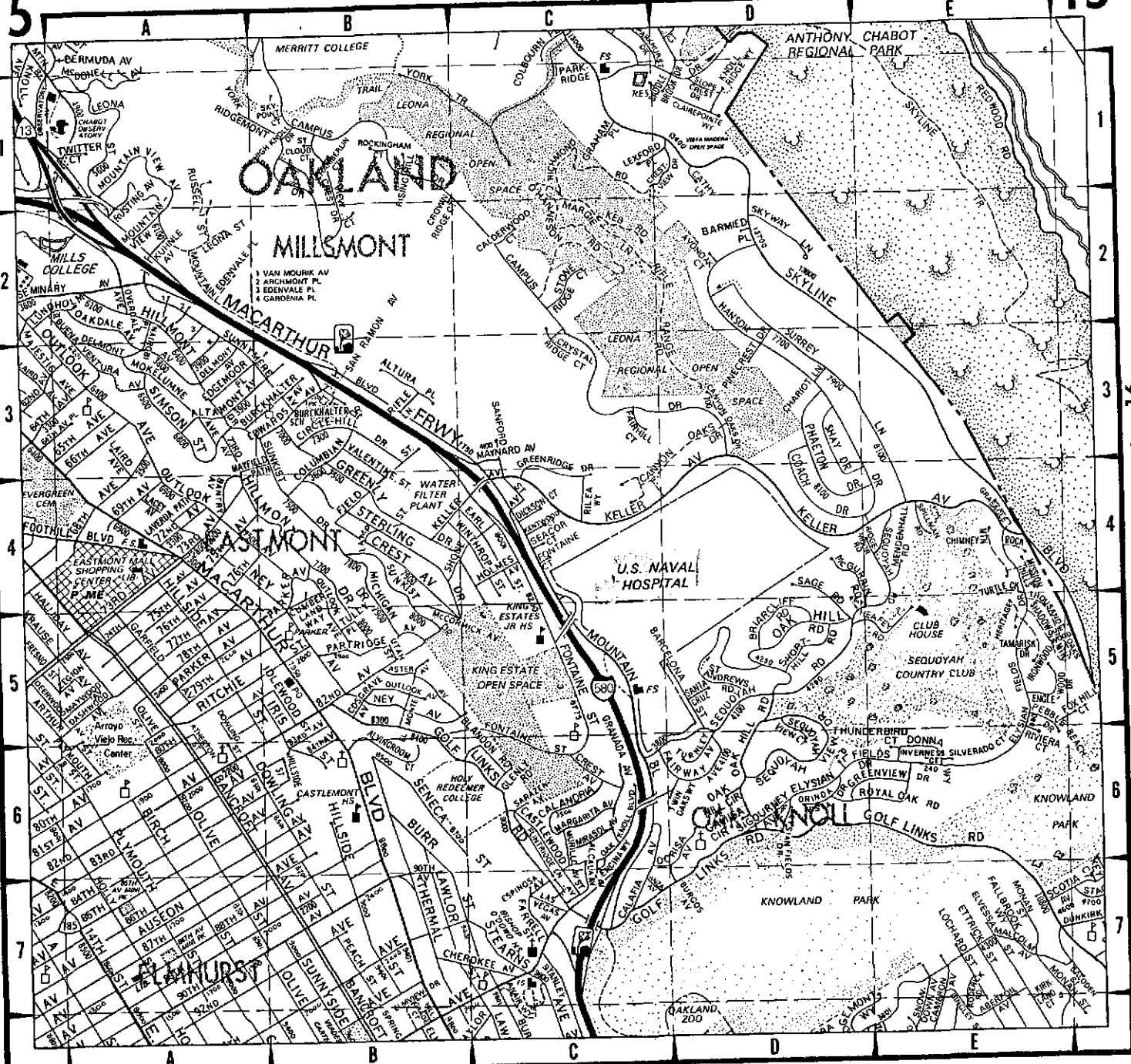
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FOR CONTINUATION SEE MAP 25

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ALAMEDA CO.

FOR CONTINUATION SEE MAP

DETAIL

ALAMEDA CO

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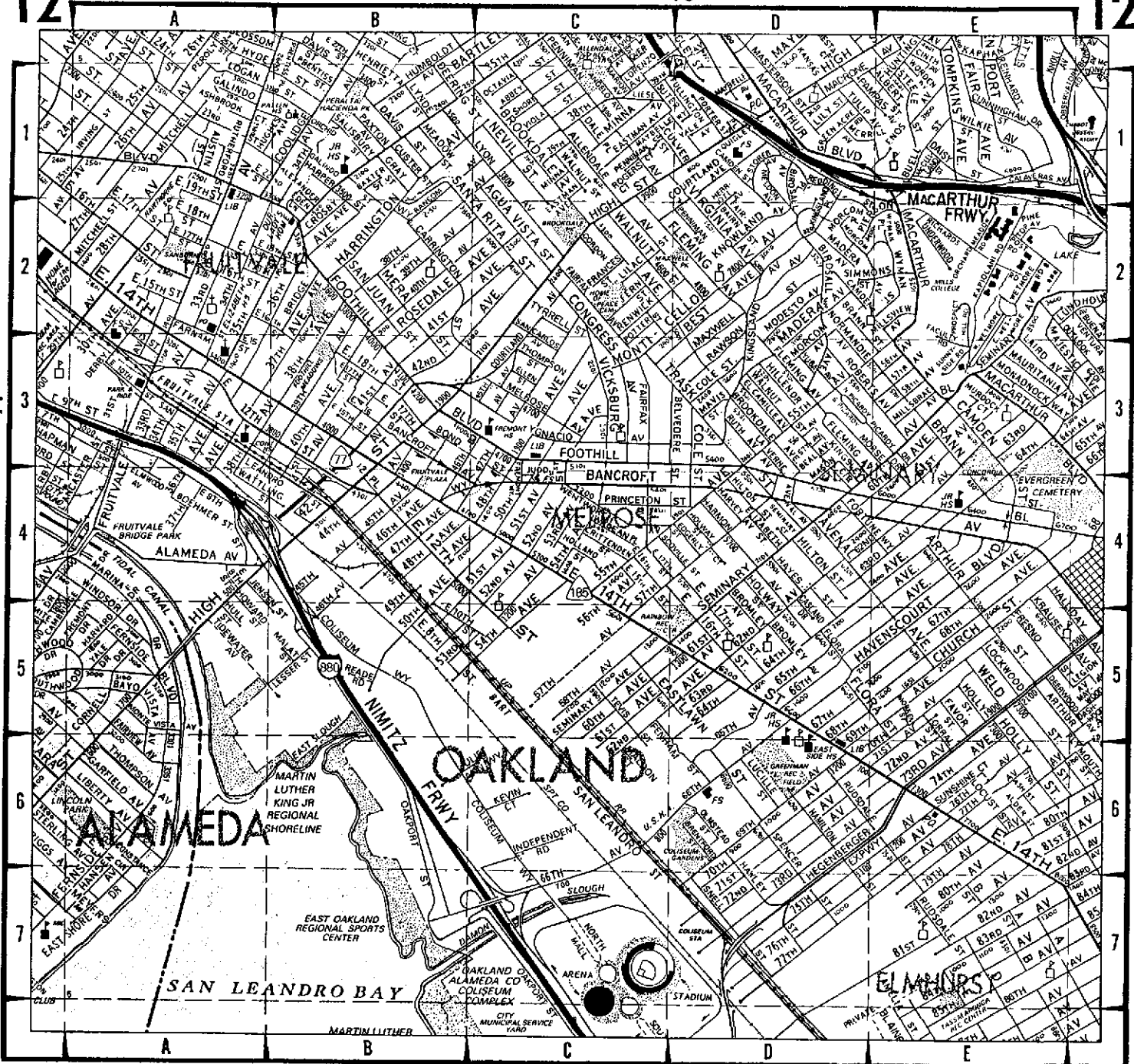
11

FOR CONTINUATION SEE MAP

DETAIL

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1,500.

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COPYRIGHT © 1984 BY Thomas Cook Maps

FOR CONTINUATION SEE MAP

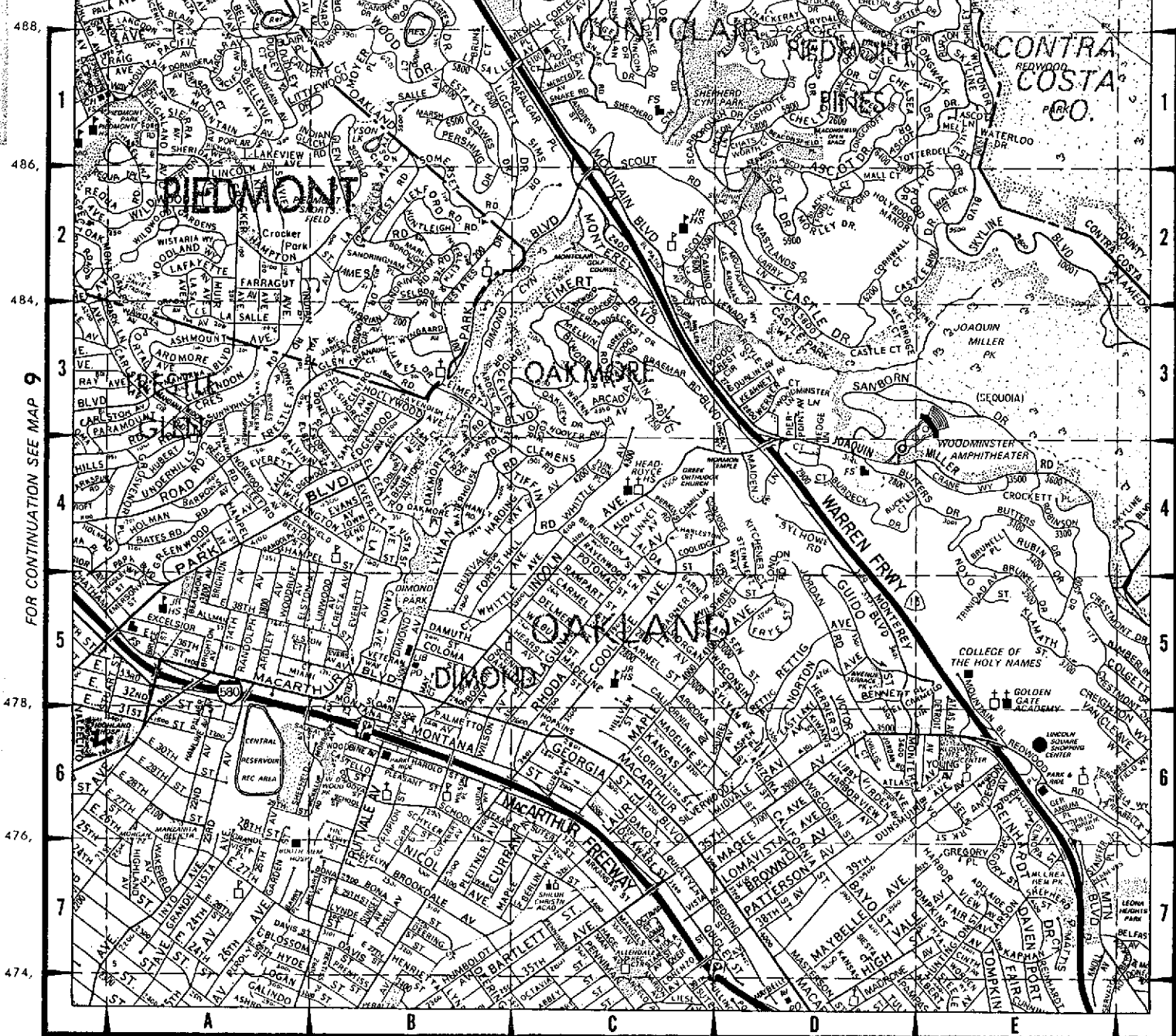
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10

FOR CONTINUATION SEE MAP 6

10

ALAMEDA CO.



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FOR CONTINUATION SEE MAP 9

DETAIL

FOR CONTINUATION SEE MAP 13

COPYRIGHT © 1994 BY *Navstar Data Maps*

1,500.

1,503.

FOR CONTINUATION SEE MAP 12

1,512.

1,515.

ACORD CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

6/30/95

PRODUCER

J. F. ARENTS AND COMPANY
 520 S. El Camino Real, #342
 San Mateo, CA 94402
 (415) 342-3095
 (415) 342-8789 FAX

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

INSURED

BALCH PETROLEUM CONTRACTORS
 AND BUILDERS, INC.
 930 Ames Avenue
 Milpitas, CA 95035

- COMPANY LETTER A
- COMPANY LETTER B
- COMPANY LETTER C
- COMPANY LETTER D
- COMPANY LETTER E

REPUBLIC INDEMNITY CO. OF AMERICA

COVERAGES

THIS IS TO CERTIFY THAT THE 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. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY				GENERAL AGGREGATE \$
	COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OP AGG. \$
	CLAIMS MADE OCCUR.				PERSONAL & ADV. INJURY \$
	OWNER'S & CONTRACTOR'S PROT.				EACH OCCURRENCE \$
					FIRE DAMAGE (Any one fire) \$
					MED. EXPENSE (Any one person) \$
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT \$
	ANY AUTO				BODILY INJURY (Per person) \$
	ALL OWNED AUTOS				BODILY INJURY (Per accident) \$
	SCHEDULED AUTO(S)				PROPERTY DAMAGE \$
	HIRED AUTOS				
	NON-OWNED AUTOS				
	GARAGE LIABILITY				
	EXCESS LIABILITY				EACH OCCURRENCE \$
	UMBRELLA FORM				AGGREGATE \$
	OTHER THAN UMBRELLA FORM				
D	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	96PC3511162	7/01/95	7/01/95	STATUTORY LIMITS
					EACH ACCIDENT \$ 1000000
					DISEASE-POLICY LIMIT \$ 1000000
					DISEASE-EACH EMPLOYEE \$ 100000
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

RE: ALL CALIFORNIA OPERATIONS OF THE NAMED INSURED

CERTIFICATE HOLDER

ALAMEDA COUNTY
 ENVIRONMENTAL HEALTH
 80 Swan Way, Room 200
 Oakland, CA 94621

CANCELLATION *10 days for non-payment of premium

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 IMPROSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

J. F. ARENTS AND COMPANY/c
J. F. Arents & Co./cc



State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE



License Number 396575

Entity CORP

Business Name BALCH PETROLEUM
CONTRACTORS AND BUILDERS
INC

Classification(s) A B HAZ

Expiration Date 12/31/96



State of California
Contractors State License Board

Pursuant to 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:

BALCH PETROLEUM CONTRACTORS & BUILDERS INC



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

- A - GENERAL ENGINEERING CONTRACTOR
- B - GENERAL BUILDING CONTRACTOR
- HAZ - HAZARDOUS SUBSTANCES REMOVAL



Witness my hand and seal this day,
March 5, 1992

Issued December 8, 1980

CERTIFIED COPY

Balch Petroleum

Signature of Licensee

Will Balch

Signature of License Qualifier

David R Phillips

Registrar of Contractors

396575

License Number

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

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD



Building Quality



HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.



Qualifier: Thomas Harry Balch

License No.: 396575

Namestyle: Balch Petroleum Contractors & Builders, Inc.

WITNESS my hand and official seal this
16th day of June, 1989

David R. Phillips
Registrar of Contractors

13L-36 (7/88)

This certification 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.

A3119

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

October 31, 1995

DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Mr. Michael Whelan
ARCO Products Company
2155 S. Bascom Ave., Ste 202
Campbell, CA 95008

STID 3942

Re: Investigations at ARCO Station 6002, located at 6235
Seminary Ave., Oakland, California

Dear Mr. Whelan,

Based on the attached letter from the California Regional Water Quality Control Board, the analysis for Methyl Tertiary Butyl Ether (MTBE) should be included in the quarterly sampling events at the above site. According to our files, investigations at the above site were initiated due to a leak from the site's underground storage tanks in 1989. MTBE has been commonly used as an additive in fuels since the early 1980's, so there is the potential for MTBE in the existing groundwater contaminant plume beneath the site.

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

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: David Larsen
EMCON
1921 Ringwood Ave.
San Jose, CA 95131-1721

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

October 10, 1995

DEPARTMENT OF ENVIRONMENTAL HEALTH

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

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

STID 3942

Re: Investigations at ARCO Station 6002, located at 6235
Seminary Ave., Oakland, California

Dear Mr. Whelan,

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Sincerely,


Juliet Shin
Senior Hazardous Materials Specialist

cc: David Larsen
EMCON
1921 Ringwood Ave.
San Jose, CA 95131-1721

Acting Chief-File

EMCON
1921 RINGWOOD AVENUE
SAN JOSE, CALIFORNIA 95131-1721
Pete Christisnson, Project Geologist
John C. Young, Project Manager
Mike Whelan, ARCO

August 17, 1995

Re: Notices of June 14, 1995, Project 0805-131.02; July 12, 1995, Project 0805-131.02

Messrs. Christianson, Young, Whelan,

After consideration of the above mentioned notices, it is our contention that the following conditions must be met before there can be further dialog:

1. A legal expert of our choosing must be provided to guide us through this process of a License Agreement between Russell Edwards and Maude Edwards and ARCO Products Company.
2. All Liability Agreements must be strictly adhered to by ARCO Products Company.
3. Strick consideration must be given to inconvenience and interruption to residents at 6209 Avenue, Apts. # 1-4.
4. Emcon must give copies to Russell Edwards and Maude Edwards all correspondence from monitoring Agency, Alameda County Health Care Services Agency.

If there are any questions, please call (510) 632-7808.

Sincerely,


Russell Edwards


Maude Edwards

cc: Juliet Shin, ACHCSA



EMCON

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

95 AUG 15 PM 12:36

August 11, 1995
Project 0805-131.02

Ms. Juliet Shin
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Re: Upgradient utilities investigation, ARCO station 6002, 6235 Seminary Avenue,
Oakland, California

Dear Ms. Shin:

EMCON, on behalf of ARCO Products Company (ARCO), submits this letter regarding utility line investigation upgradient from ARCO station 6002, 6235 Seminary Avenue, Oakland, California (Site). This information is being provided in response to requests by the Alameda County Health Care Services Agency (ACHCSA) in letters dated February 9, and May 31, 1995. The purpose of this investigation is to determine if utility lines upgradient of the Site may be inhibiting or redirecting the flow of groundwater underlying the Site.

EMCON has reviewed City of Oakland sewer and storm drain utility locations upgradient (east to northeast) from the Site within Sunnymere Avenue. No sewer lines are present along Sunnymere Avenue but one is present along the north side of Seminary Avenue. There are two storm drain pipes northeast of the Site (Figure 1). Bottom-of-storm-drain elevations were obtained from the City of Oakland drawings. One storm drain ranges from 2.7 to 5 feet below ground surface (BGS), and the other storm drain is 2.1 feet BGS in the vicinity of the Site. Both storm drains drain to a common vault at a depth of approximately 12 feet BGS; however, this point does not lie between upgradient well MW-6 and the Site.

Based on information from the East Bay Municipal Utility District, water lines in residential neighborhoods typically have 36 inches of cover and are from 6 to 12 inches in diameter. The base of a 12-inch-diameter main would typically be at a depth of 4 feet BGS. Because the depth to groundwater is much lower in this area, water line locations were not pursued during this investigation.



Ms. Juliet Shin
August 11, 1995
Page 2

Project 0805-131.02

Based on information from Pacific Gas and Electric (PG&E), there is one gas main upgradient from the site along Sunnymere Avenue. PG&E does not know the depth of the gas main because it does not have as-built drawings. Information from PG&E indicates the bottom of a gas main can range from 5.5 to 7 BGS in a residential neighborhood. Electrical lines in this area are overhead although one underground electrical line is present along Seminary Avenue. Because the depth to groundwater measured in well MW-2 (the well nearest Sunnymere Avenue) has historically ranged from 7.83 to 10.02 feet BGS, it does not appear that the gas main, potential water line, or storm drain trenches will inhibit or redirect the flow of groundwater underlying the Site.

Please call if you have questions.

Sincerely,

EMCON



Peter T. Christianson
Project Geologist

Attachment: Figure 1 - Site Plan



EMCON

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

ENVIRONMENTAL
PROTECTION

95 APR 19 PM 12:57

April 17, 1995
Project 0805-131.02

Ms. Juliet Shin
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Re: Temporary monitoring points, ARCO station 6002, 6235 Seminary Avenue,
Oakland, California

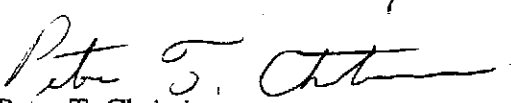
Dear Ms. Shin:

This letter is a follow-up to the workplan addendum dated March 6, 1995, submitted by EMCON for ARCO Products Company (ARCO) station 6002, 6235 Seminary Avenue, Oakland, California (Site). In the workplan addendum, EMCON stated that it would "evaluate the technical feasibility of installing temporary monitoring points" and respond to you within 45 days. At this time, EMCON, on behalf of ARCO, will proceed with the installation of the four, off-site, temporary monitoring points as described in the workplan addendum. Based on field observations, EMCON may install up to four additional temporary monitoring points to more accurately delineate the dissolved-phase plume.

If you have any questions or comments, please call.

Sincerely,

EMCON


Peter T. Christianson
Project Geologist


John C. Young
Project Manager

cc: Michael Whelan, ARCO



ARCO Products Company

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



Date: 4/17/95

Re: ARCO Station # 6002

" 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:

Michael R. Whelan
Environmental Engineer



EMCON Associates

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 463-7300 • Fax (408) 437-9526

FAX TRANSMITTAL

TO: JULIET SHIV

DATE: 4/17/95

FROM: PETE CHRISTIANSON

TIME: 3:00

Number of Pages 2 (Including Cover Page)

If you have received this communication in error, please notify us at the telephone number listed above.

Sender Note: Complete if applicable.

CLIENT: _____

Project/Task #: _____

PHONE #: _____

FAX #: 570-286-1200
387-9335

Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is confidential information intended for the use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited.

COMMENTS:

ARC 6002

ORIGINAL TO FOLLOW:

ORIGINAL WILL NOT FOLLOW:

BROADCAST:

ANY QUESTIONS REGARDING THIS TRANSMISSION, PLEASE CALL THE NUMBER LISTED ABOVE



EMCON

1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

April 17, 1995
Project 0805-131.02

Ms. Juliet Shin
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Re: Temporary monitoring points, ARCO station 6002, 6235 Seminary Avenue,
Oakland, California

Dear Ms. Shin:

This letter is a follow-up to the workplan addendum dated March 6, 1995, submitted by EMCON for ARCO Products Company (ARCO) station 6002, 6235 Seminary Avenue, Oakland, California (Site). In the workplan addendum, EMCON stated that it would "evaluate the technical feasibility of installing temporary monitoring points" and respond to you within 45 days. At this time, EMCON, on behalf of ARCO, will proceed with the installation of the four, off-site, temporary monitoring points as described in the workplan addendum. Based on field observations, EMCON may install up to four additional temporary monitoring points to more accurately delineate the dissolved-phase plume.

If you have any questions or comments, please call.

Sincerely,

EMCON

Peter T. Christianson
Peter T. Christianson
Project Geologist

John C. Young
John C. Young
Project Manager

cc: Michael Whelan, ARCO

4/17/95

Spoke to the client re: workplan addendum. The client stated that they would prefer to have permanent wells installed. It was pointed out that it was not possible to install permanent wells at this time. It was suggested that permanent wells be installed at a later date. The client stated that they would like to have permanent wells installed. It was suggested that permanent wells be installed at a later date. The client stated that they would like to have permanent wells installed. It was suggested that permanent wells be installed at a later date.

ENCLOSURE: 08051310.2CR-94jar:1



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



Date:

4/17/95

Re: ARCO Station # 6002

" 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, flowing style.

Michael R. Whelan
Environmental Engineer

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

May 31, 1995

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

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

STID 3942

Re: Work plan and amendments for the installation of temporary well points at ARCO Station 6002, located at 6235 Seminary Ave., Oakland, California

Dear Mr. Whelan,

This office has reviewed EMCON's March 6, 1995, April 17, 1995, and May 10, 1995 amendments/addendums to the original work plan, dated January 20, 1995 for the above site. These addendums/amendments are acceptable to this office with the following requirements:

- o The Alameda County Flood Control District, Zone 7, requires that the proposed "temporary" well points incorporate a cement grout seal around the casing or pipe from the surface down to 2 feet below ground surface. This seal must be placed in addition to the proposed traffic-rated well vault.
- o Following use of these "temporary" well points, the wells will be required to be destroyed/closed under permit from Zone 7.
- o The "temporary" wells shall be screened adequately above and below the water table to account for seasonal fluctuations. Ideally, monitoring wells shall be screened 5 feet above and 10 feet below the water table.
- o Per the County's February 9, 1995 letter, this office is still waiting on information regarding potential utility line trenches along Sunnymere Avenue, to assure that sample results from proposed Well MW-6 will be accurately assessing the extent of the contaminant plume. Please submit this information before implementing the work.
- o The lithology is to be characterized and a minimum of one soil sample is to be collected for analysis at each of the "temporary" well point locations.

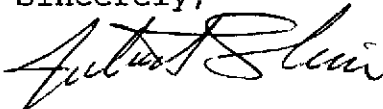
Mr. Michael Whelan
Re: 6235 Seminary Ave.
May 31, 1995
Page 2 of 2

- o You shall wait a minimum of 24 hours after developing the wells before purging and sampling them. These wells shall be sampled on a quarterly basis, along with the existing wells. These wells shall also be surveyed to the same benchmark as existing wells and quarterly water level measurements and ground water gradient information shall be collected from these new wells.
- o As stated in the work plan addendum, if contaminant concentrations are consistently identified in any of these wells throughout the proposed year of monitoring, permanent wells shall be installed to replace the well(s) and/or to further delineate the extent of the contaminant plume.

The work proposed in the initial work plan and subsequent addendums/amendments shall be implemented within 60 days of the date of this letter. A report documenting the work shall be submitted within 45 days after completing field activities.

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

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

cc: Peter T. Christianson
EMCON
1921 Ringwood Ave.
San Jose, CA 95131-1721

File

white - env. health
yellow - facility
pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name ARCO Station #6002 Today's Date 2/16/95
Site Address 6235 Seminary Ave
City Oakland Zip 94605 Phone _____

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

Inspection Categories:

- _____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
_____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
_____ III. Under ground Storage Tanks

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

Comments:

Went out to site and met Peter Christianson, EMCON to conduct a vicinity reconnaissance to determine whether wells could be placed to the immediate west and south of the site. The properties to the south & west, adjacent to the ARCO site, are possibilities. The southern property is accessible by vehicle, there is enough room to install a well, and would delineate the cross-gradient extent of contamination shown in Well M-5. The property to west has enough space and too for a limited access drill rig, however, it would probably have to be covered w/ a crane. 6182 Covadalis Lockyard was also a possibility, but its located to the ~ 150' to the southwest.

Mr. Christianson stated that he would get in touch w/ me about revised proposal w/in next week.



EMCON

1921 Ringwood Avenue • San Jose, California 95131-1721
(408) 453-7300 • Fax (408) 437-9526
Voice Mail (408) 453-7319 Ext. 2118

Peter Christianson
Project Geologist

Environmental Services

Signature _____

Inspector

Signature _____

Juliet Shin

II, III

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

February 9, 1995

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

ALAMEDA COUNTY CC 430-4510
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., RM.250
ALAMEDA, CAL. 94502-6577

STID 3942

Re: Work plan for investigations at ARCO Service Station 6002,
located at 6235 Seminary Ave., Oakland, California

Dear Mr. Whelan,

This office has reviewed EMCON's work plan, dated January 20, 1995, for the above site. To this date, elevated levels of TPHg and BTEX have been identified in both soil and ground water samples collected from on-site monitoring wells, MW-1 and MW-5. Additionally, elevated contaminant levels were also identified in "grab" ground water samples collected from vapor wells VW-1 and VW-2. Although EMCON has proposed to delineate the upgradient extent of the ground water contaminant plume with Well MW-6, and the downgradient extent of the plume with two wells, MW-7 and MW-8, the proposed downgradient wells are located approximately 200 feet from the most downgradient on-site monitoring well, MW-5, which has also consistently identified the highest contaminant concentrations on site. Information gathered from these proposed downgradient wells may not be sufficient to adequately characterize the plume. If contaminant concentrations were not identified in proposed wells MW-7 and MW-8, it would still not reflect the behavior of the plume within 200 feet from the site, beneath the residential area. If contaminants concentrations were to be detected in Wells MW-7 and MW-8, it would not be certain whether those concentrations were resulting from another off-site source.

This office is requiring that downgradient wells be installed closer to the site, at least within 100 feet downgradient from Well MW-5, in order to better characterize the plume's behavior and the local ground water gradient behavior. Delineation of the soil contamination observed in Well MW-5 should also be addressed. **An addendum to the work plan, addressing these concerns, shall be submitted to this office within 45 days of the date of this letter.**

Prior to installing the proposed upgradient well, MW-6, on the east side of Sunneymere Avenue, a utility line check should be conducted in order to insure that utility trenches are not

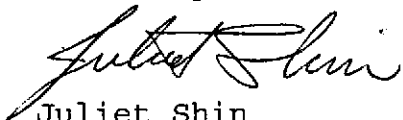
Mr. Michael Whelan
Re: 6235 Seminary Ave.
February 9, 1995
Page 2 of 2

intercepting or redirecting the contaminant plume. Utility checks should be incorporated as standard procedure in any situation where wells are proposed along streets.

The work plan addendum, and all future reports shall be accompanied by a cover letter signed by the Responsible Party acknowledging review of and concurrence with the report. If possible, the next quarterly report should also include some conclusions as to why the highest contaminant concentrations on site are being observed in Well MW-5. Where is the potential source of this observed contamination?

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

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

cc: Robert K. Davis
EMCON
1921 Ringwood Ave.
San Jose, CA 95131-1721

Edgar Howell

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

October 26, 1994

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

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

STID 3942

Re: Investigations at ARCO Station 6002, located at 6235
Seminary Ave., Oakland, California

Dear Mr. Whelan,

This office has reviewed GeoStrategies Inc.'s Subsurface Investigations report for the above site. Elevated levels of TPHg and BTEX concentrations were identified in both the soil and ground water samples collected from the MW-5 location. This well appears to be downgradient to crossgradient of operations on the site, according to the potentiometric map.

Per Article 11 Title 23 California Code of Regulations, you are required to delineate the extent of the soil and ground water contamination observed at the site. Therefore, the downgradient extent of the contamination identified in MW-5 is required to be delineated. Additionally, elevated levels of TPHg and BTEX concentrations were identified in the "grab" ground water sample collected from location VW-2. Although this location appears to be upgradient of on-site activities, it is still uncertain whether this contamination is resulting from on site or off site. Based on this uncertainty, further investigations are required to investigate the extent of this ground water contamination.

This office is requesting that you submit a work plan addressing the above issues. This work plan should be submitted within 90 days of the date of this letter. This is a formal request for a technical report, per Section 2722(c), Article 11 Title 23 California Code of Regulations.

If you have any questions or comments, please contact me at (510) 567-6700.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

Mr. Michael Whelan
Re: 6235 Seminary Ave.
October 26, 1994
Page 2 of 2

cc: Barbara Sieminski
GeoStrategies, Inc.
6747 Sierra Court, Ste G
Dublin, CA 94568

Edgar Howell

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

ALCO
HAZMAT



94 SEP 13 PM 2:14
September 9, 1994

Ms. Susan Hugo
Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94621

Re: Transfer of ARCO Projects.

Dear Ms. Hugo:

The purpose of this letter is to inform you of changes that ARCO Products Company (ARCO) has recently made in regards to environmental consulting firms working on environmental projects at existing and former ARCO retail facilities. In an effort to promote consistency, be more proactive, streamline communications and reduce costs, ARCO has significantly reduced the number of environmental consultants performing assessment and remedial activities on these environmental projects. The consolidation, which took effect on 9/1/94, involves a reduction of approximately 75% to 80% of the consulting firms that ARCO previously used. ARCO firmly believes that this consolidation effort will dramatically streamline ARCO's communication process, both with your office and staff as well as with ARCO's remaining consultants. The consulting firms which ARCO will now use at retail facility environmental projects throughout the west (WA, OR, CA, NV and AZ) include: Brown & Caldwell, Delta Environmental, Emcon Associates, Pacific Environmental Group, and Secor.

Attached to this letter is a list of sites in your jurisdiction that have recently been transferred to one of the five consulting firms listed above. In most cases, these five consulting firms were already working on ARCO projects in your jurisdiction. Also included in the list is the name of the ARCO engineer responsible for the site. please don't hesitate to call the respective ARCO engineer or the consultant's regional contact if you have any questions regarding any of the projects.

The transfer of the projects from the former consultant to one of the five firms listed above should be completed by October 1, 1994. Shortly thereafter I will be contacting you to schedule a meeting to introduce you to the primary contacts at the consulting companies and to review the projects with your staff. Please contact me at (415) 571-2468 if you have any questions concerning this letter.

Sincerely,

Kyle Christie

ALAMEDA COUNTY HEALTH DEPT.

Facility Number	City	Address	New Consulting Firm	ARCO Engineer	ARCO Engineer phone number
276	Oakland	10600 MacArthur Blvd.	Emcon	Mike Whelan	415-571-2449
347	Oakland	2751 High Street	Brown & Caldwell	Brad Jones	213-486-0681
374	Oakland	6407 Telegraph Avenue	Pacific Env. Group	Mike Whelan	415-571-2449
601	San Leandro	712 Lewelling Blvd.	Emcon	Mike Whelan	415-571-2449
771	Livermore	899 Rincon Avenue	Emcon	Mike Whelan	415-571-2449
2035	Albany	1001 San Pablo Avenue	Emcon	Mike Whelan	415-571-2449
2107	Oakland	3310 Park Blvd.	Pacific Env. Group	Mike Whelan	415-571-2449
2111	San Leandro	1156 Davis Street	Emcon	Mike Whelan	415-571-2449
2112	Alameda	1260 Park Street	Pacific Env. Group	Mike Whelan	415-571-2449
2152	Castro Valley	22141 Center Street	Pacific Env. Group	Mike Whelan	415-571-2449
2162	San Leandro	15135 Hesperian Blvd.	Pacific Env. Group	Mike Whelan	415-571-2449
2169	Oakland	889 West Grand Avenue	Emcon	Mike Whelan	415-571-2449
2185	Oakland	9800 East 14th Street	Emcon	Mike Whelan	415-571-2449
4494	Oakland	566 Hagenberger Road	Pacific Env. Group	Mike Whelan	415-571-2449
4931	Oakland	731 West MacArthur Blvd.	Pacific Env. Group	Mike Whelan	415-571-2449
6002	Oakland	6235 Seminary Avenue	Emcon	Mike Whelan	415-571-2449
6041	Dublin	7249 Village Parkway	Emcon	Mike Whelan	415-571-2449
6113	Livermore	785 East Stanley Blvd.	Emcon	Mike Whelan	415-571-2449
6148	Oakland	5131 Shattuck Avenue.	Emcon	Mike Whelan	415-571-2449
9908	Oakland	8255 San Leandro Blvd	Brown & Caldwell	Brad Jones	213-486-0681

Your Emcon contact is Mr. Jay Johnson.

Your Pacific Environmental Group contact is Mr. Greg Barclay

Your Brown & Caldwell contact is Mr. Ron Zurlinden

CONSULTANTS CONTACTS

Consultant Name	ARCO Program Manager (APM)	Technical Coordinator (TC)	Area	Administrative Coordinator (AC)
Brown & Caldwell	Mikk Anderson 150 So Arroyo Pkwy Pasadena, CA 91109 (818) 577-1020 Fax (818) 795-6016	Ron Zurlinden 9616 micro Ave Sacramento, CA 95813-3449 (916) 444-0123 --- Fax (916) 856-5277	NW	Mat Quinn 150 So Arroyo Pkwy Pasadena, CA 91109 (818) 577-1020 Fax (818) 795-6016
		Ron Halsey 16735 Von Karman, Suite 200 Irvine, CA 92714-4918 (714) 660-1070 --- Fax (714) 474-0940	SW	
		Mike Higman 9040 Frairs Rd, Suite 220 San Diego, CA 92108 (619) 528-9090 --- Fax (619) 528-9199	SW	
Delta	Jon Pesicka 27141 Aliso Creek Rd, Suite 270 Aliso Viejo, CA 92656 (714) 362-3077 Fax (714) 362-0290	Todd Galati 3330 Data Dr, Suite 100 Rancho Cordova, CA 95670 (916) 638-2085 --- Fax (916) 638-8385	NW	Debbie Fluckiger 27141 Aliso Creek Rd, # 270 Aliso Viejo, CA 92656 (714) 362-3077 Fax (714) 362-0290
		Jon Pesicka (714) 362-3077 --- Fax (714) 362-0290	SW	
Emcon	Jack Hardin 1921 Ringwood Ave San Jose, CA 95131-1721 (408) 453-7300 Fax (408) 437-9526	Rob Dixon 15055 SW Sequoia Pkwy, Suite 140 Portland, OR 97224-7712 (503) 624-7200 Fax (503) 620-7658	NW	Jeanette Memeo 1921 Ringwood Ave San Jose, CA 95131-1721 (408) 453-7300 Fax (408) 437-9526
		Jay Johnson 1433 N Ave Market Blvd. Sacramento, CA 95834-1943 (916) 928-3300 Fax (916) 928-3341	NW	

CONSULTANTS CONTACTS

Consultant Name	ARCO Program Manager (APM)	Technical Coordinator (TC)	Area	Administrative Coordinator (AC)
Emcon	Jack Hardin	Ric Morgan 120 Columbia, Suite 500 Aliso Viejo, CA 92656 (714) 362-1130 Fax (714) 362-1137	SW	Jeanette Merneo
Pacific Enviro Group	Debra Moser 2025 Gate Way Place, Suite 440 San Jose, CA 95110 (408) 441-7500 Fax (408) 441-7539	Greg Barclay 3050 Fite Circle, Suite 101 Sacramento, CA 95827 (916) 361-8091 --- Fax (916) 361-8094 Cleve Solomon 650 N Sierra Madre Villa, Suite 204 Pasadena, CA 91107 (818) 351-4814 -- Fax (818) 351-4822	NW SW	Norma Gutierrez 2025 Gate Way Place, Suite 440 San Jose, CA 95110 (408) 441-7500 Fax (408) 441-7539
Seacor	David Childs 1913 Volcanic Dr. Benton, AR 72015-2161 (501) 776-3400 Fax (501) 776-3053	Jim Ritchie 90 New Montgomery St, Suite 620 San Francisco, CA 94015-4503 (415) 882-1548 -- Fax (415) 882-4406 Kyle Emerson 1180 Nevada St, Suite 200 Redlands, CA 92374 (909) 335-6116 --- Fax (909) 335-6120 Bob Wilson 3485 Sacramento Dr, Suite A San Luis Obispo, CA 93401-7160 (805) 546-0455 --- Fax (805) 546-0583	NW SW SW	Cindy Malloy 1734 - 34th St Sacramento, CA 95816-7004 (916) 456-4333 Fax (916) 456-0110



ALCO
HAZMAT

94 JUN 24 PM 1:28

Ms. Juliet Shin
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, CA 94621

June 22, 1994

Subject: Additional Onsite Subsurface Investigation at ARCO Station 6002, 6235
Seminary Avenue, Oakland, California.

Ms. Shin,

This letter is written to inform you that drilling and installation of four groundwater monitoring wells (MW-2 through MW-5) at the above referenced site has been scheduled for June 29 and 30, 1994. Enclosed is a copy of the Site Safety Plan for the site work.

If you have any questions, please call us at (510) 551-7444 ext. 288.

Sincerely,

GeoStrategies Inc.

A handwritten signature in cursive script, appearing to read "Barbara Sieminski".

Barbara Sieminski
Project Geologist

Enclosures: Site Safety Plan for ARCO Station 6002

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

June 2, 1994

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

STID 3942

Re: Work plan for investigations at ARCO Station #6002, located
at 6235 Seminary Avenue, Oakland, California

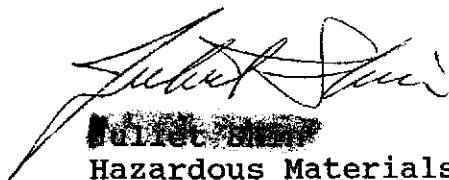
Dear Mr. Whelan,

This office has reviewed GeoStrategies' work plan, dated May 18, 1994, addressing the installation of additional wells at the above site. This work plan is acceptable to this office. Please be reminded to wait a minimum of 24 hours after installing the wells, before developing them, and a minimum of 24 hours after developing the wells, before sampling them.

It is the understanding of this office that field work shall commence within 60 days of the date of this letter, and that a report documenting the work shall be submitted within 45 days after completing field activities.

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

Sincerely,



Juliet Shaw

Hazardous Materials Specialist

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

Edgar Howell-File(JS)

June 2, 1994

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

STID 3942

Re: Work plan for investigations at ARCO Station #6002, located
at 6235 Seminary Avenue, Oakland, California

Dear Mr. Whelan,

This office has reviewed GeoStrategies' work plan, dated May 18, 1994, addressing the installation of additional wells at the above site. This work plan is acceptable to this office. Please be reminded to wait a minimum of 24 hours after installing the wells, before developing them, and a minimum of 24 hours after developing the wells, before sampling them.

It is the understanding of this office that field work shall commence within 60 days of the date of this letter, and that a report documenting the work shall be submitted within 45 days after completing field activities.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

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

Edgar Howell-File(JS)



ALCO
HAZMAT

94 MAY 27 PM 2: 20

May 24, 1994

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

Subject: Quarterly Summary for ARCO Station 6002, ~~6285 Seminary~~
~~Avenue~~, Oakland, California.

Mr. Whelan:

This letter provides a summary of activities, for the above referenced site, performed during the first quarter 1994, and site activities anticipated for the second quarter 1994.

FIRST QUARTER 1994 ACTIVITIES

- Four exploratory borings (B-1 through B-4) were drilled at the site and one groundwater monitoring well (MW-1) and two vapor extraction wells (VW-1 and VW-2) were installed in these borings by RESNA Industries Inc. (RESNA) on January 13 and 14, 1994.
- Groundwater monitoring well MW-1 was developed on January 26, 1994.
- Depth-to-water levels were measured, groundwater monitoring well MW-1 was purged and sampled, and grab groundwater samples were collected from vapor wells VW-1 and VW-2 on January 31, 1994, by RESNA.
- An Initial Onsite Subsurface Investigation Report was prepared by RESNA and submitted to ARCO and the Alameda County Health Care Services Agency (ACHCSA) on March 31, 1994.

ARCO Station 6002
Quarterly Summary Report

May 24, 1994

ACTIVITIES ANTICIPATED FOR THE SECOND QUARTER 1994

- Prepare a work plan for additional onsite subsurface investigation at the site and submit to the ACHCSA and Regional Water Quality Control Board (RWQCB).
- Upon receiving work plan approval, obtain a drilling permit from the Alameda County Flood Control and Water Conservation District, and install four groundwater monitoring wells (MW-2 through MW-5) at the site.
- Develop groundwater monitoring wells MW-2 through MW-5.
- Survey site wells for location and elevation and other pertinent site features for location.
- Perform monitoring and sampling of site wells.
- Initiate preparation of a draft report including results of the additional onsite subsurface investigation and the second quarter 1994 groundwater monitoring and sampling.

If you have any questions or comments, please call us at (510) 551-8777.

Sincerely,
GeoStrategies, Inc.

Barbara Sieminski

Barbara Sieminski
Project Geologist

cc: Mr. Richard Hiatt, RWQCB-San Francisco Bay Region
Ms. Juliet Shin, ACHCSA

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

April 14, 1994

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

STID 3942

Re: Investigations at ARCO Station 6002, located at 6235 Seminary
Avenue, Oakland, California

Dear Mr. Whelan,

This office has reviewed RESNA's Initial Onsite Subsurface Investigation Report, dated March 31, 1994. Soil and ground water samples collected from the recently installed monitoring and vapor extraction wells identified elevated levels of gasoline and BTEX. As you are probably aware, in the absence of neighboring monitoring wells located within 100 feet of the site, or any other data identifying the confirmed downgradient direction, a minimum of three wells are required to verify the ground water gradient direction. In the case of this site, there do not appear to be any adjacent sites with monitoring wells, therefore, you are required to install two additional monitoring wells at the site. These wells may also assist in delineating the extent of the ground water contaminant plume, which is a requirement of Article 11, Title 23 California Code of Regulations.

Subsequent to the installation of the monitoring wells, these wells must be surveyed to an established benchmark with an accuracy of 0.01 foot. Ground water samples are to be collected and analyzed on a quarterly basis. Water level measurements and corresponding ground water gradient determinations are to be conducted on a monthly basis, for the first 12 months, to fully characterize the behavior of ground water flow.

A work plan addressing the installation of the two additional monitoring wells must be submitted **within 45 days** of the date of this letter. Once the work plan is approved, field work shall commence within 60 days. A report must be submitted within 45 days after the completion of this phase of work at the site. Subsequent reports are to be submitted quarterly. Such quarterly reports are due the first day of the second month of each subsequent quarter.

Mr. Michael Whelan
Re: 6235 Seminary Ave.
April 14, 1994
Page 2 of 2

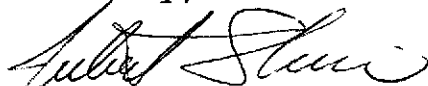
The referenced initial and quarterly reports must describe the status of the investigation and must include, among others, the following elements:

- o Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.
- o Status of ground water contamination characterization
- o Interpretations of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.
- o Recommendations for plans for additional investigative work or remediation.

Please be advised that this is a formal request for a work plan pursuant to **Section 2722 (c)(d) of Title 23 California Code of Regulations**. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

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

Sincerely,



Juliet Shin
Hazardous Materials Specialist

cc: Erin Krueger
RESNA
3315 Almaden Expressway, Ste 34
San Jose, CA 95118

Edgar Howell-File(JS)

Mr. Michael Whelan
Re: 6235 Seminary Ave.
April 14, 1994
Page 2 of 2

The referenced initial and quarterly reports must describe the status of the investigation and must include, among others, the following elements:

- o Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.
- o Status of ground water contamination characterization
- o Interpretations of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.
- o Recommendations for plans for additional investigative work or remediation.

Please be advised that this is a formal request for a work plan pursuant to **Section 2722 (c)(d) of Title 23 California Code of Regulations**. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: Erin Krueger
RESNA
3315 Almaden Expressway, Ste 34
San Jose, CA 95118

Edgar Howell-File(JS)

ALCO
HAZMAT

RESNA
Working To Restore Nature

93 DEC 23 AM 11:26

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

TRANSMITTAL

TO: Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, California 94621

DATE: December 22, 1993
PROJECT NUMBER: 130063.01
SUBJECT: ARCO Station 6002

FROM: Erin D. Krueger

WE ARE SENDING YOU:

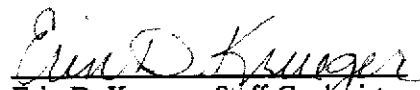
COPIES DATED	DESCRIPTION
1 12/22/93	Letter regarding Work Plan Approval for ARCO Station 6002, 6235 Seminary Avenue, Oakland, California.

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 Regular Mail Certified Mail

REMARKS:

Copies: 1 to RESNA project file no. 130063.01


Erin D. Krueger, Staff Geologist

cc: Michael Whelan, ARCO
T. Brignoni, ARCO

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

December 21, 1993

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, CA 94621

Subject: Work Plan Approval
ARCO Station 6002
6235 Seminary Avenue, Oakland, California

Ms. Shin:

In response to your letter of approval dated December 15, 1993, regarding the work plan for the above referenced site, RESNA is aware of the highlighted reminders/requirements listed and will comply. RESNA would also like to inform you that as stated in the work plan, the ARCO contact for this site is Mr. Michael Whelan in ARCO's San Mateo office, P.O. Box 5811, San Mateo, California, 94402.

If you have any questions regarding this project please call us at (408) 264-7723.

Sincerely,
RESNA Industries Inc.



Erin D. Krueger
Staff Geologist

cc: Michael Whelan, ARCO Products Company
T. Brignoni, ARCO Products Company

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

December 15, 1993

T. Brignoni
ARCO Products Co.
P.O. Box 6038
Artesia, CA 90702-6038

STID 3942

Re: Work plan for ARCO Station 6002, located at 6235 Seminary
Avenue, Oakland, California

Dear Mr. Brignoni,

This office has reviewed RESNA's work plan, dated November 16, 1993, for preliminary soil and ground water investigations at the above site. This work plan is acceptable to this office with the following reminders/requirements:

- o If soil contamination is identified at fairly deep depths and ground water is not observed above 50 feet below ground surface (bgs), boring MW-1 must still be drilled deeper than 50 feet bgs to confirm that the soil contamination is not leaching into existing ground water.
- o Please be reminded to screen the monitoring well adequately above and below the water table to account for seasonal fluctuations.
- o After installing the well, please be reminded to wait a minimum of 24 hours before developing the well. After developing the well, please wait a minimum of 24 hours before purging and sampling the well.
- o If any soil or ground water contamination is identified, you may be required to install two additional monitoring wells for quarterly ground water gradient determinations.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

Mr. T. Brignoni
Re: 6235 Seminary Ave.
December 15, 1993
Page 2 of 2

cc: Erin D. Krueger
RESNA
3315 Almaden Expressway, Ste 34
San Jose, CA 95118

Edgar Howell-File(JS)

December 15, 1993

T. Brignoni
ARCO Products Co.
P.O. Box 6038
Artesia, CA 90702-6038

STID 3942

Re: Work plan for ARCO Station 6002, located at 6235 Seminary Avenue, Oakland, California

Dear Mr. Brignoni,

This office has reviewed RESNA's work plan, dated November 16, 1993, for preliminary soil and ground water investigations at the above site. This work plan is acceptable to this office with the following reminders/requirements:

- o If soil contamination is identified at fairly deep depths and ground water is not observed above 50 feet below ground surface (bgs), boring MW-1 must still be drilled deeper than 50 feet bgs to confirm that the soil contamination is not leaching into existing ground water.
- o Please be reminded to screen the monitoring well adequately above and below the water table to account for seasonal fluctuations.
- o After installing the well, please be reminded to wait a minimum of 24 hours before developing the well. After developing the well, please wait a minimum of 24 hours before purging and sampling the well.
- o If any soil or ground water contamination is identified, you may be required to install two additional monitoring wells for quarterly ground water gradient determinations.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

Mr. T. Brignoni
Re: 6235 Seminary Ave.
December 15, 1993
Page 2 of 2

cc: Erin D. Krueger
RESNA
3315 Almaden Expressway, Ste 34
San Jose, CA 95118

Edgar Howell-File(JS)

Certified Mail - P 055 875 607

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

EMERGENCY <input type="checkbox"/> YES <input type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. SIGNED: <u>Ronald J. O'neary</u> DATE: <u>11/1/93</u>
REPORT DATE <u>10/25/93</u> <u>PH 12:31</u>		

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <u>L. Brignoni</u>	PHONE <u>(310) 407-2609</u>	SIGNATURE <u>T. Brignoni</u>
	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 <u>ARCO Products Co</u>	
	ADDRESS <u>P.O. Box 6038, Artesia, CA 90702-6038</u>		

RESPONSIBLE PARTY	NAME <u>ARCO Products Co.</u> <input type="checkbox"/> UNKNOWN	CONTACT PERSON <u>T. Brignoni</u>	PHONE <u>(310) 407-2609</u>
	ADDRESS <u>Same</u>		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) <u># 6002</u>	OPERATOR <u>Samir Patel</u>	PHONE <u>(510) 522-1042</u>
	ADDRESS <u>[REDACTED]</u>		
	CROSS STREET <u>Hwy 580</u>		

IMPLEMENTING AGENCIES	LOCAL AGENCY <u>Alameda Co. Public Health</u>	AGENCY NAME	CONTACT PERSON <u>Juliette Blake</u>	PHONE <u>(510) 271-4320</u>
	REGIONAL BOARD			

SUBSTANCES INVOLVED	(1) NAME <u>gasoline (unleaded)</u>	QUANTITY LOST (GALLONS) <u>1/2 gal</u> <input type="checkbox"/> UNKNOWN
	(2)	<input type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED <u>10/22/93</u>	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> MISUSE CONDITIONS <input checked="" type="checkbox"/> OTHER <u>Visual</u>
	DATE DISCHARGE BEGAN <u>10/22/93</u> <input type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER <u>Shut down product line.</u>
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE <u>10/22/93</u>	

SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> OTHER <u>Top-off Pump #5</u> <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN
--------------	--	---

CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
-----------	---

CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input checked="" type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY
----------------	--

REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input checked="" type="checkbox"/> OTHER (OT) <u>Site attendant cleaned</u>
-----------------	---

COMMENTS
up with absorbent material and stored if on site. Road Runner dispatched for maintenance.

cc: Kyle Christie - ARCO

INSTRUCTIONS

EMERGENCY

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

LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety code Section 25120.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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

SUBSTANCES INVOLVED

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

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

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

CASE TYPE

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

CURRENT STATUS

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

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

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

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

Preliminary Site Assessment Underway - implementation of workplan.

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

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

Cleanup Underway - implementation of remediation plan.

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

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

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

REMEDIAL ACTION

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

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

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

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

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

Remove Free Product - remove floating product from water table.

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

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

Replace Supply - provide alternative water supply to affected parties.

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

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

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

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

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 94212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

Certified Mail - P 055 875 607 01-0113

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT			
EMERGENCY <input type="checkbox"/> YES <input type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO	
REPORT DATE 10/25/93		CASE # N/A	
NAME OF INDIVIDUAL FILING REPORT I. Brianoni		PHONE (310) 407-2609	SIGNATURE T. Brignoni
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 ARCO Products Co.	
ADDRESS P.O. Box 6038, Artesia, CA 90702-6038			
NAME ARCO Products Co.		CONTACT PERSON T. Brignoni	PHONE (310) 407-2609
ADDRESS Same			
FACILITY NAME (IF APPLICABLE) # 6002		OPERATOR Samir Patel	PHONE (510) 633-1042
ADDRESS 6235 Seminary Rd., Oakland, Alameda 94605			
CROSS STREET Hwy 580			
LOCAL AGENCY Alameda Co. Public Health		CONTACT PERSON Juliette Blake	PHONE (510) 271-4320
REGIONAL BOARD			
(1) NAME gasoline (unleaded)		QUANTITY LOST (GALLONS) 1/2 gal <input type="checkbox"/> UNKNOWN	
(2)		<input type="checkbox"/> UNKNOWN	
DATE DISCOVERED 10/22/93		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> SURFACE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER Visual	
DATE DISCHARGE BEGAN 10/22/93		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER Shut down product line.	
HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 10/22/93			
SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OTHER Top-off Pump #5	
CHECK ONE ONLY <input 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 type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input checked="" type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY			
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & 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 checked="" type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input checked="" type="checkbox"/> OTHER (OT) Site attendant cleaned			
COMMENTS up with absorbent material and stored if on site. Road Runner dispatched for maintenance.			

cc: Kyle Christie - ARCO

INSTRUCTIONS

EMERGENCY

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LOCAL AGENCY ONLY

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

REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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

SUBSTANCES INVOLVED

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

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

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

CASE TYPE

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Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

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REMEDIAL ACTION

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

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

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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

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

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

EMERGENCY <input type="checkbox"/> YES <input type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY THEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.		
REPORT DATE 1 0 0 6 9 3		CASE # 32147		SIGNED _____ DATE _____		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT T. Brignoni		PHONE (310) 407-2609		SIGNATURE T. Brignoni	
	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 ARCO Products Co.			
ADDRESS P.O. Box 6038, Artesia, CA 90702-6038						
RESPONSIBLE PARTY	NAME ARCO Products Co.		CONTACT PERSON Courtland Holman		PHONE (310) 407-2610	
	ADDRESS P.O. Box 6038, Artesia, CA 90702 6038					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) # 6002		OPERATOR Samir Patel		PHONE (510) 633-1042	
	ADDRESS 6235 Seminary Ave., Oakland, Alameda, 94605					
CROSS STREET Hwy 580						
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda Co. Public Health		CONTACT PERSON Juliette Blake		PHONE (510) 271-4320	
	REGIONAL BOARD _____ PHONE _____					
SUBSTANCES INVOLVED	(1) NAME gasoline - less than 5 gals				QUANTITY LOSE (GALLONS) <input type="checkbox"/> UNKNOWN	
	(2) _____ <input type="checkbox"/> UNKNOWN					
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 9 2 8 9 3		HOW DISCOVERED <input checked="" type="checkbox"/> TANK TEST <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER			
	DATE DISCHARGE BEGAN 0 9 2 8 9 3		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input checked="" type="checkbox"/> REPAIR PIPING <input checked="" type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 9 2 8 9 3					
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OTHER loose fittings			
	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY					
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT) Electronic tank monitoring					
COMMENTS	not passing monthly test after repeated testing. Petrobrite tests performed failed requiring tank repairs. During repairs found 5 small leaks on siphon lines and drop tubes. Tank was retested and passed. Vapor lines were never leaking but were tested with Helium.					

INSTRUCTIONS

EMERGENCY

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LOCAL AGENCY ONLY

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REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

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CASE TYPE

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

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REMEDIAL ACTION

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

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

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2129
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

APCO
6235 SEMINARY AVE
OAKLAND

01-0113
0121

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SCHEDULE WITH INSTRUCTIONS ON THE BACK PAGE OF THIS FORM.		
REPORT DATE 03/31/92		CASE # 22012		SIGNED _____ DATE _____		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT S. DOUGLAS		PHONE (310) 407-2603	SIGNATURE S. Douglas (fwd)		
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD	COMPANY OR AGENCY NAME AKO PRODUCTS			
	ADDRESS 11315 STUDEBAKER RD (ERRORS) CITY CA STATE 94605 ZIP					
RESPONSIBLE PARTY	NAME AKO PRODUCTS <input type="checkbox"/> UNKNOWN		CONTACT PERSON S. DOUGLAS	PHONE (310) 407-2603		
	ADDRESS 11315 STUDEBAKER RD (ERRORS) CITY CA STATE 94605 ZIP					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) # 6002		OPERATOR SALMIK PATEL	PHONE (510) 633-1042		
	ADDRESS 6235 SEMINARY RD OAKLAND CITY ALAMEDA COUNTY 94605					
	CROSS STREET HWY 580					
IMPLEMENTING AGENCIES	LOCAL AGENCY ALAMEDA CITY PUB HLTH		CONTACT PERSON TIM (FAX)	PHONE (510) 569-4701		
	REGIONAL BOARD OES		CONTACT PERSON BILL DAVIS	PHONE (800) 825-9950		
SUBSTANCES INVOLVED	(1) NAME gasoline			QUANTITY LOST (GALLONS) 1-2 <input type="checkbox"/> UNKNOWN		
	(2) _____			<input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 03/29/92		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input checked="" type="checkbox"/> OTHER visual			
	DATE DISCHARGE BEGAN 03/29/92 <input type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER inspect & clean up			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 03/29/92					
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> CORROSION <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OTHER Drive off			
	CASE TYPE <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input checked="" type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> CLEANUP UNDERWAY					
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input checked="" type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> TREATMENT AT HOOKUP (H-U) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VENT SOIL (VS) <input checked="" type="checkbox"/> OTHER (OT) Spill clean up absorbent; same					
	COMMENTS left on site. Risk in winter, will need to be addressed.					

QUALITY CONTROL BOARD
10/10/92

11-8-92 5182726

INSTRUCTIONS

EMERGENCY

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

LOCAL AGENCY ONLY

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

REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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

SUBSTANCES INVOLVED

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

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

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

CASE TYPE

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

CURRENT STATUS

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

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

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

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

REMEDIAL ACTION

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

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
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Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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

01-0113 P. → J

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. SIGNED: <u>Paul M. Smith</u> DATE: <u>2/14/12</u>	
REPORT DATE: <u>Jan 10 2012</u>		CASE #: <u>21163</u>		SIGNED: _____ DATE: _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT: <u>David Cas</u>		PHONE: <u>(714) 411-7003</u>	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: <u>1710</u>		
	ADDRESS: <u>1125 S. ...</u>				
RESPONSIBLE PARTY	NAME: <u>1710</u>		CONTACT PERSON: <u>S. ...</u>		PHONE: <u>(714) 411-7003</u>
	ADDRESS: <u>1125 S. ...</u>				
SITE LOCATION	FACILITY NAME (IF APPLICABLE): <u>1710</u>		OPERATOR: <u>S. Patel</u>		PHONE: <u>(714) 411-7003</u>
	ADDRESS: <u>1125 S. ...</u>				
	CROSS STREET: <u>1125 S. ...</u>				
IMPLEMENTING AGENCIES	LOCAL AGENCY: <u>Mendocino County Health</u>		AGENCY NAME: <u>Health</u>		CONTACT PERSON: <u>S.</u>
	REGIONAL BOARD: _____				
SUBSTANCES INVOLVED	(1) NAME: <u>gasoline</u>		QUANTITY LOST (GALLONS): <u>15-20</u> <input type="checkbox"/> UNKNOWN		
	(2) _____ <input type="checkbox"/> UNKNOWN				
DISCOVERY/ABATEMENT	DATE DISCOVERED: <u>Jan 10 2012</u>		HOW DISCOVERED: <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER: <u>leak spill</u>		
	DATE DISCHARGE BEGAN: <u>Jan 10 2012</u> <input type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER: <u>leak spill</u>		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE: <u>Jan 10 2012</u>				
SOURCE/ CAUSE	SOURCE OF DISCHARGE: <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S): <input checked="" type="checkbox"/> OVERFILL <input type="checkbox"/> CORROSION <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CASE TYPE: CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input checked="" type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
	REMEDIAL ACTION: CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input checked="" type="checkbox"/> OTHER (OT): <u>leak spill</u>				
COMMENTS	<u>all work completed on 1/10/12</u>				

QUALITY CONTROL BOARD
 FEB 20 2012

INSTRUCTIONS

EMERGENCY

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LOCAL AGENCY ONLY

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REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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

SUBSTANCES INVOLVED

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

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

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

CASE TYPE

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

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

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REMEDIAL ACTION

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

Replace Supply - provide alternative water supply to affected parties.

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

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

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

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

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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

P.P. → N

ARLO
235 SEMINARY AVE
OAKLAND

01

01-0113

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.		
REPORT DATE M 1 D 1 Y 1992		CASE # 21480		SIGNED: _____ DATE: JAN 9 1992		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Voulas		PHONE (415) 761-365	SIGNATURE [Signature]		
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME HILL			
	ADDRESS 115... STREET... CITY... STATE... ZIP...					
RESPONSIBLE PARTY	NAME Voulas <input type="checkbox"/> UNKNOWN		CONTACT PERSON HILL	PHONE (415) 761-365		
	ADDRESS 115... STREET... CITY... STATE... ZIP...					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) HILL		OPERATOR HILL	PHONE (415) 761-365		
	ADDRESS 115... STREET... CITY... STATE... ZIP...					
	CROSS STREET HILL					
IMPLEMENTING AGENCIES	LOCAL AGENCY HILL		AGENCY NAME		CONTACT PERSON HILL	
	REGIONAL BOARD				PHONE ()	
SUBSTANCES INVOLVED	(1) NAME HILL			QUANTITY LOST (GALLONS) 150 <input type="checkbox"/> UNKNOWN		
	(2)			<input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED M 1 D 1 Y 1992		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			
	DATE DISCHARGE BEGAN M 1 D 1 Y 1992 <input type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE M 1 D 1 Y 1992					
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OTHER		CAUSE(S) <input checked="" type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER			
	CASE TYPE CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input checked="" type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY					
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input checked="" type="checkbox"/> OTHER (OT) [Handwritten]					
	COMMENTS					

QUALITY CONTROL BOARD

INSTRUCTIONS

EMERGENCY

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

LOCAL AGENCY ONLY

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REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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

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

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

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

CASE TYPE

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

CURRENT STATUS

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

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

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

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

Preliminary Site Assessment Underway - implementation of workplan.

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

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

Cleanup Underway - implementation of remediation plan.

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

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

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

REMEDIAL ACTION

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

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

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

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

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

Remove Free Product - remove floating product from water table.

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

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

Replace Supply - provide alternative water supply to affected parties.

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

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

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

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

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 942112, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designees to receive Proposition 65 notifications.
5. Owner/responsible party.

ARCO Products Company
17315 Studebaker Road
Cerritos, California 90701-1488
Telephone 213 404 5300

Mailing Address: Box 6411
Artesia, California 90702-6411



91 OCT 31 11:27

October 29, 1991

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

Certified Mail

RE: UST PERMITS

Dear Mr. Smith:

Due to a major reorganization of Arco Products Company, our Northern California office has been closed. Consequently, all environmental matters and permit coordination are now being handled in the Environmental, Health, and Safety Department in the Los Angeles office.

Our files for Arco facilities in Alameda County contain the attached locations. According to our records, please note the following relative to these locations:

- All Underground Storage Tank permit fees are current.
- A and B forms have been submitted to your office and copies are on file in our office of these forms.
- The following two locations have physical Underground Storage Tank permits issued for a five-year duration, expiring in 1993:

Arco Facility #4494
566 Hegenberger Rd.
Oakland

Arco Facility #6002
6235 Seminary Ave.
Oakland

Mr. Smith
October 29, 1991
Page 2

It is my understanding that the remaining 16 facilities require an inspection to be done by your office in order for an Underground Storage Tank permit to be issued. Would you please provide me with scheduled dates for inspections to be done at these facilities by your agency.

For future reference, please send all Underground Storage Tank correspondence, renewals, and permits to my attention at the above address.

If you have any questions regarding these matters, I would be pleased to respond to them. I can be reached at 213/404-5347.

I look forward to hearing from you.

Sincerely,

A handwritten signature in cursive script that reads "Judy L. Mason". The signature is written in black ink and is positioned above the typed name.

Judy L. Mason
Permit Coordinator
Environmental, Health, and Safety

Attachment

ARCO PRODUCTS COMPANY
 FACILITY LIST - LOS ANGELES REGION
 BY STATE COUNTY
 10/24/1991, 09:20 AM

STATE: CALIFORNIA COUNTY: ALAMEDA

FAC	DEALER	ADDRESS	CITY/STATE	ZIP	CROSS STREET	PHONE
00276	DAI VAN VO	10600 MACARTHUR BLVD	OAKLAND	CA 94605	10TH AVE/MACARTHUR B	415-635-4641
00374	SANTOSH KUMAR SUD	6407 TELEGRAPH AVENU	OAKLAND	CA 94609	ALCATRAZ AVE/TELEGRA	415-658-7508
00498	REGION OPERATION 5157	286 SO LIVERMORE AVE	LIVERMORE	CA 94550	3RD ST/S LIVERMORE A	415-449-1448
00608 00771	JAIME & LEONORA ABADAM <i>Sgn.</i> JERRY SHIELDS	17601 HESPERIAN BLVD 899 RINCON AVENUE	SAN LORENZO LIVERMORE	CA 94580 CA 94550	HACIENDA/HESPERIAN B PINE/RINCON AVE	415-278-2977 415-447-1329
02035 02107	RAHMAN FARSI/MAJID GHANADAN PRITINDER ARORA	1001 SAN PABLO AVENU 3310 PARK BLVD.	ALBANY OAKLAND	CA 94706 CA 94610	MARIN/SAN PABLO AVE MACARTHUR/PARK BLVD	415-525-1362 415-532-1716
02112	JAVAD ROOSHAN <i>Sgn.</i>	1260 PARK STREET	ALAMEDA	CA 94501	ENCINAL/PARK ST	415-865-7335
02152	JAMES A WALKER	22141 CENTER ST.	CASTRO VALLEY	CA 94546	GROVE/CENTER ST	415-581-1268
02169	RAMESH SOOD	889 W GRAND AVE	OAKLAND	CA 94607	MARKET/W GRAND AVE	415-465-4450
02185	B J A INC	9800 E 14TH ST	OAKLAND	CA 94603	98TH/E 14TH	415-568-0590
04494	KHALIL N ROOSHAN <i>Sgn.</i>	566 HEGENBERGER RD.	OAKLAND	CA 94605	EDES/HEGENBERGER RD	415-569-7561
04931	VINTNERS DISTRIBUTORS INC	731 W MACARTHUR BLVD	OAKLAND	CA 94611	WEST/W MACARTHUR BLV	415-658-5000
04977	MICHAEL SERDY	2770 CASTRO VALLEY R	CASTRO VALLEY	CA 94546	WISTERIA/CASTRO VALL	415-582-6919
06002	SAMIR PATEL <i>Sgn.</i>	6235 SEMINARY AVENUE	OAKLAND	CA 94605	HWY 580/SEMINARY	415-633-1042
06041	RONALD E TEUTSCH	7249 VILLAGE PARKWAY	DUBLIN	CA 94566	AMADOR/VILLAGE PKWY	415-828-3163
06113	PRESTIGE STATIONS INC 5158	785 E STANLEY BLVD	LIVERMORE	CA 94550	MURRIETTA/E STANLEY	415-449-2024
06148	JIN H KANG	5131 SHATTUCK AVE.	OAKLAND	CA 94609	52ND/SHATTUCK	415-654-3461

ARCO PRODUCTS COMPANY
 FACILITY LIST - LOS ANGELES REGION
 BY STATE COUNTY
 10/24/1991, 09:20 AM

STATE: CALIFORNIA COUNTY: ALAMEDA

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00608 007	JAIME & LEONORA ABADAM <i>Sgn. ✓</i> JERRY SHIELDS	17601 HESPERIAN BLVD 899 RINCON AVENUE	SAN LORENZO LIVERMORE	CA 94580 CA 94550	HACIENDA/HESPERIAN B PINE/RINCON AVE	415-278-2977 415-447-1329
02035 02107	RAHMAN FARSI/MAJID GHANADAN PRITINDER ARORA	1001 SAN PABLO AVENU 3310 PARK BLVD.	ALBANY OAKLAND	CA 94706 CA 94610	MARIN/SAN PABLO AVE MACARTHUR/PARK BLVD	415-525-1362 415-532-1716
02112	JAVAD ROOSHAN <i>Sgn. ✓</i>	1260 PARK STREET	ALAMEDA	CA 94501	ENCINAL/PARK ST	415-865-7335
02152	JAMES A WALKER	22141 CENTER ST.	CASTRO VALLEY	CA 94546	GROVE/CENTER ST	415-581-1268
02169	RAMESH SOOD	889 W GRAND AVE	OAKLAND	CA 94607	MARKET/W GRAND AVE	415-465-4450
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ARCO Products Company
Monitoring and Response Plans

County Alameda - Public Health

Facility	Product Tanks		Product Lines		ELECTRONIC Tank Monitor	Probe in Sump	LINE Leak Detector	Used Oil Tank		Monitoring Plan
	DW	SW	DW	SW				DW	SW	
200 W. Arthur Blvd. Oak	PS 276	✓		✓	✓	✓	✓			I
1707 Telegraph Ave. Oakland	SH 314	✓		✓	✓	✓	✓			I
86 S. Livermore Ave.	SH 498	✓		✓			✓			IVA
7601 Hesperian Blvd. S.F.	PE 1008 sign	✓		✓	✓	✓	✓	✓		IA
399 Rincon Ave. Liv.	SH 771		✓		✓		✓			III
001 San Pablo, Albany	LS 2035	✓		✓	✓	✓	✓			I
310 Park Blvd. Oak	PS 2107	✓		✓	✓		✓			II B
560 Alameda St. S.F.	2111		✓		✓		✓		✓	III, V
260 PARK ST. ALAMEDA	SH 2117 sign	✓		✓	✓	✓	✓			I
244 Center St. C.V.	SS 2152	✓		✓	✓	✓	✓			I
19 W. Grand Ave. Oak	PB 2169		✓		✓		✓			III
800 E. 14th St. Oakland	BC 2185		✓		✓		✓			III
16 Hesperian Blvd. S.F.	BC 4494 sign		✓		✓		✓			III
310 W. 14th St. Oakland	SH 4931		✓		✓		✓			III
1770 Crocker-Hale Blvd.	SS 4977		✓		✓		✓			III
6235 Seminary Blvd. Oak	PS 6002 sign		✓		✓		✓			III
249 Village Parkway Dublin	PA 6041		✓		✓		✓			III
185 E. Stanley Liv.	SH 6113	✓		✓			✓			IVA
5131 Shattuck Ave. Oak	SH 6148		✓		✓		✓			III

SH-7 / 98-1
 JP9-2 BC-2
 LS-1 RA-1
 PE-7 SS-2

*# 560 Hesperian Rd - approved closure & installation plan
 site unannounced

By permit Remediation

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)

July 31, 1991

Ms. Elaine Lavine
Arcon Petroleum Products Co.
2000 Alameda de las Pulgas, Suite 218
PO Box 5811
San Mateo, CA 94402

RE: ARCO Station #6002, 5 Year Permit to Operate
Mr. Samir Patel
6235 Seminary Ave.
Oakland, CA 94605

Dear Ms. Lavine:

Enclosed is a five year underground storage tank operating permit for your facility. To operate under a valid permit, you are required to comply with the conditions as described in the California Code of Regulations, Title 23, Subchapter 16, Section 2712. These conditions are summarized below:

1. The permittee shall report to this office within 30 days any changes in the uses of any underground storage tank. Storage of any new hazardous substances, changes in monitoring procedures, or replacement/repair of any part or all of an underground storage tank are among the changes that must be reported.
2. The permittee shall report to this office any unauthorized releases as described in Sections 2652 (b) and (c).
3. Written records of all monitoring performed shall be maintained onsite for a period of at least three years from the date the monitoring was performed. These records shall be made available for inspection during any site inspection by a representative of this office.
4. Permits may be transferred to new underground storage tank owners if the new tank owner does not change any conditions of the permit, the transfer is registered with this office within 30 days of the change in ownership, and any necessary modifications are made to the permit application information. This

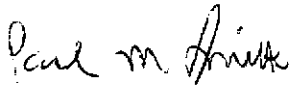
Ms. Elaine Lavine
August 1, 1991
Page 2

office may review, modify, or terminate the permit to operate the underground storage tank upon receiving the ownership transfer request.

Please provide a copy of this document to Mr. Patel

You may contact me with any questions about your underground tanks and this permit at 271-4320.

Sincerely,



Paul M. Smith
Hazardous Materials Specialist

cc: Samir Patel, ARCO, Seminary Ave.

July 15, 1991

Alameda County Department of Environmental Health
80 Swan Way
Oakland, California 94621

Attention: Mr. Rafat Shahid

ARCO Products Company Facilities in Alameda County - RWQCB Fuel Leaks List

Dear Mr. Shahid

Please find attached, Quarterly Summary Reports (QSRs) for ARCO Products Company Service Stations in Alameda County. The QSRs summarize activities conducted by ARCO at the respective sites during the second quarter of 1991; also included are projected site activities for the third quarter of 1991 and a bibliography of reports submitted for each location.

The QSRs are classified by address within the County. We are submitting this document and attached QSRs as agreed in our recent meeting with the RWQCB. Please note that we are forwarding copies of the QSRs to the RWQCB as well.

ARCO Products Company has reviewed the Regional Water Quality Control Board's (RWQCB) February 19, 1991 printout of ARCO fuel leak sites in the San Francisco Bay Area. We have evaluated each site with respect to ARCO's responsibility for investigation, monitoring, and/or remediation. It is ARCO's belief that several of the sites originally attributed to ARCO are actually the responsibility of other parties. We have therefore prepared QSRs and a brief discussion regarding those sites which we believe should either be removed from ARCO responsibility or be considered for closure.

ARCO is planning a subsequent comprehensive QSR submittal for ARCO sites on October 15, 1991. Please do not hesitate to contact us with any questions regarding this submittal.

Sincerely,



for Kyle A. Christie
Environmental Engineer

Attachments:

Non-ARCO Facility/Site Closure Discussion and QSRs
ARCO Facility QSRs

NON-ARCO FACILITY/SITE CLOSURE DISCUSSION AND QSRS

Alameda County

Alameda County Sites

Two ARCO facilities including Station Numbers 4977 and 6002 (located at 2770 Castro Valley Road, Castro Valley and 6235 Seminary Avenue, Oakland) experienced vapor/vent line failure during UST system precision testing. In accordance with State Water Resources Control Board (SWRCB) letter LG-43, ARCO requests that these facilities be removed from the RWQCB fuel leaks list.

A small volume of hydrocarbons were released from ARCO Station Number 498 located at 286 South Livermore Avenue, Livermore. The product was released to an on-site secondary containment trench and was subsequently removed; no product was released to the soil or groundwater. Alameda County issued a letter to ARCO on May 24, 1991 stating that no further action is necessary at this site.

A total of seven Alameda County ARCO facilities listed by the RWQCB were not ARCO-owned at the time of the release discovery and/or report. These sites include Station Numbers 188, 329, and 623 (respectively located at 4191 First Street, Pleasanton, 2032 12th Street, Oakland, and 2110 Mountain, Oakland) and facilities located at 2951 High Street, 4401 Market Street, 2844 Mountain Boulevard, and 2740 98th Street, Oakland.

ARCO has prepared QSRs for each of these facilities; however, we request that the cases be omitted from the leaks list or be referred to the actual responsible party, as appropriate. The ownership information for the individual sites is included on the attached QSRs.

Finally, the RWQCB February 19, 1991 printout lists two sites which are actually the same. The facility listed as 71 MacArthur Boulevard is actually ARCO Service Station Number 4931 located at 731 West MacArthur Boulevard in Oakland.

Attachment:

Non-ARCO Facility QSRs

UST LEAK Date of Last
SITE UPDATE Review/Update _____

Current
Date July 15, 1991

SITE IDENTIFICATION

Name ARCO SERVICE STATION #6002 Case No. _____
Address 6235 Seminary Avenue
Street Number 6235 Street Seminary Avenue
Oakland, CA
City Oakland Zip Code _____
Alameda County Substance NA
County Alameda
Local Agency Alameda County Department of Environmental Health
Regional Board San Francisco Bay Region

LEAD STAFF PERSON Unknown

CASE TYPE

 Undetermined Soil Only Ground Water Drinking Water

STATUS (Date indicates when case moved into status)

<u> </u>	No Action Taken	Date	<u> </u>
<u> </u>	Leak Being Confirmed	Date	<u> </u>
<u> </u>	Preliminary Site Assessment Workplan Submitted	Date	<u> </u>
<u> </u>	Preliminary Site Assessment Underway	Date	<u> </u>
<u> </u>	Pollution Characterization	Date	<u> </u>
<u> </u>	Remediation Plan	Date	<u> </u>
<u> </u>	Remedial Action Underway	Date	<u> </u>
<u> </u>	Post Remedial Action Monitoring	Date	<u> </u>
<u> </u>	Case Referred to Regional Board	Date	<u> </u>
<u> </u>	Case Referred to Dept. of Health Services	Date	<u> </u>
<u> </u>	Case Closed	Date	<u> </u>

REMEDIAL ACTION

COMMENTS

During precision testing of the on-site UST, vent line failure occurred. However, hydrocarbons were not released. ARCO requests that this site be removed from the leak list in accordance with the State Water Quality Control Board's letter LG-43.

RESPONSIBLE PARTY IDENTIFICATION (Only if newly discovered or changed)

Name _____
Contact _____ Phone () _____
Address _____
Street Number _____ Street _____
City _____ State _____ Zip Code _____

no remediation

1989 ~~test~~ on file - pass
1988 - pass
↓
nothing before
80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320
1990 ~~test~~ late 1990
II, III

white -env. health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

Arco #6002

Site ID # _____ Site Name Samir V. Patel Today's Date 1/29/91

Site Address 6235 Seminary Ave

City _____ Zip 94605 Phone 633-1042

MAX AMT stored > 500 lbs, 55 gal., 200 cft.? 1989 test - #2
unleaded fuel 11/1/89

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER retested 11/16/89 - passed
- II. Business Plans, Acute Hazardous Materials Unauth. Release Rpt. Submitted 11/3/89
- III. Underground Tanks

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

Comments:

- (1) unleaded 6000 single walled no info. on what was done to make tanks pass on 2nd attempt; no report on any environmental follow-up.
- (1) unleaded 4000 " " Violates 2652 with 23
- (1) Super unleaded 4000 " " Violates 2652 with 23
- (1) regular 6000

Mr Patel states tanks integrity tests were performed ^{current} late in 1990. No inventory record is available in our files

VIOL. - Inventory reconciliation records need to be maintained (on-site). Records must be tabulated to calculate disparities. Samir intends to maintain a log book for inventory. Samir Patel took over this station from another franchisee on March 1990. He states that he has records at his home for inventory from that time forward.

VIOL. - Quarterly monitoring & reporting needs to be done & submitted to this office
- need monitoring plan describing monitoring procedure

Samir reports that a revised Business plan has been submitted & should be on hand in our office

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

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

III. UNDERGROUND TANKS (Title 23)

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

Contact: Samir Patel ← "ARCO" has not been helpful" II, III

Title: owner

Signature: [Signature]

Inspector: Paul Smith

Signature: Paul M. Smith

UTID/ Status	Name of Site	Site Address	#Tanks	PERMITS:
BillID	=====	=====	=====	=====
-0- T61043	C Arco Station #02112	1260 Park St. Alameda, CA 94501	5	I:09/06/88 F:-0-
784 T61043	C Arco Station #02035	1001 San Pablo Ave. Albany, CA 94706	4	I:09/06/88 F:-0-
658 T61043	C Arco Station #04977 AM/PM	2770 Castro Valley Blvd. Castro Valley, CA 94546	3	I:09/06/88 F:07/05/88
-0- T61043	C Arco Station #02152	22141 Center St. Castro Valley, CA 94546	3	I:09/06/88 F:-0-
*1053 T61043	C Arco Station #06041	7249 Village Pkwy. Dublin, CA 94568	4	I:09/06/88 F:-0-
*813 T10115	C Arco K&V Gas Foodmart	6211 San Pablo Ave. Emeryville, CA 94608	3	I:-0- F:-0-
I * T61043	C Arco Station #05387	20200 Hesperian Blvd. Hayward, CA 94541	4	I:09/06/88 F:-0-
*0- T21120	C Airport Arco	20450 Hesperian Blvd. Hayward, CA 94541	3	I:02/03/89 F:-0-
* 2112 T42311	C Springtown Arco	909 Bluebell Dr. Livermore, CA 94550	3	I:-0- F:-0-
-0- T61043	C Arco Station #00771	899 Rincon Ave. Livermore, CA 94550	5	I:09/06/88 F:-0-
198 T61026	R Wong's Arco	2032 E. - 12th St. Oakland, CA 94606	0	I:-0- F:-0-
*-0- T61043	C Arco Station #02185	9800 E. - 14th St. Oakland, CA 94603	4	I:09/06/88 F:-0-
1130 TA1036	C Freeway Arco	2740 - 98th Ave. Oakland, CA 94605	4	I:10/13/87 F:-0-
-0- T61043	C Arco Station #02169	889 W. Grand Ave. Oakland, CA 94607	5	I:09/06/88 F:-0-
*-0- -0-	R Gin's Arco Service	706 Harrison St. Oakland, CA 94612	0	I:-0- F:-0-
-0- T61043	C Arco Station #04494	566 Hegenberger Rd. Oakland, CA 94621	3	I:02/05/88 F:-0-
*1038 T21043	C High St. Arco	2951 High St. Oakland, CA 94619	5	I:02/05/88 F:-0-
-0- T61043	C Arco Station #04931	731 W. MacArthur Blvd. Oakland, CA 94609	4	I:09/06/88 F:-0-
-0- T61043	C Arco Station #00276	10600 MacArthur Blvd. Oakland, CA 94605	3	I:09/06/88 F:-0-
851 T41043	C Mountain Blvd. Arco	2844 Mountain Blvd. Oakland, CA 94602	4	I:04/14/88 F:-0-
-0- T61043	C Arco Station #02107	3310 Park Blvd. Oakland, CA 94610	3	I:09/06/88 F:-0-
-0- T61043	C Arco Station #06002	6235 Seminary Ave. Oakland, CA 94605	4	I:09/06/88 F:-0-
-0- T61043	C Arco Station #06148	5131 Shattuck Ave. Oakland, CA 94609	3	I:09/06/88 F:-0-
-0- T61043	C Arco Station #00374	6407 Telegraph Ave. Oakland, CA 94609	3	I:09/06/88 F:-0-
? -0- -0-	F Freedom Arco	15101 Freedom Ave. San Leandro, CA 94578	3	I:-0- F:-0-
1794 T81053	C Pharco	2222 Grant Ave. San Lorenzo, CA 94580	1	I:08/16/88 F:-0-
779 T61043	C Arco Station #00608	17601 Hesperian Blvd. San Lorenzo, CA 94580	4	I:09/06/88 F:-0-

Site Brief for A B - 2 1 8 5
for the city of Alameda

printed: 12/28/90
page: 1

ABID/BillID	Name of Site	Site Address	Zip	SysEntry	S
/L71107	Arco Station #02112	1260 Park St.	501	10/24/90	C
/L91227	Arco Station #02035	1001 San Pablo Ave.	706	08/14/89	C
658/HL7111	Arco Station #04977	2770 Castro Valley Blvd.	546	08/14/89	C
/HL7112	Arco Station #02152	22141 Center St.	546	08/14/89	C
1053/HL7114	Arco Station #06041	7249 Village Pkwy.	568	06/04/90	C
/LC1217	Arco Station #05387	20200 Hesperian Blvd.	541	06/04/90	C
/L22223	Airport Arco	20450 Hesperian Blvd.	541	08/01/89	C
/	Springtown Arco	909 Bluebell St.	550		P
/L41112	Arco Station #00771	899 Rincon Ave.	550	07/28/89	C
/L81123	Arco Station #02185	9800 E. - 14th St.	603	08/14/89	C
1130/L91386	Freeway Arco	2740 - 98th Ave.	608	09/18/89	C
/L81146	Arco Station #02169	889 W. Grand Ave.	607	08/14/89	C
/L81176	Arco Station #04494	566 Hegenberger Rd.	621	08/14/89	C
1038/	High St. Arco	2951 High St.	619	03/21/89	P
/L81178	Arco Station #04931	731 W. MacArthur Blvd.	609	06/04/90	C
/L81128	Arco Station #00276	10600 MacArthur Blvd.	605	11/20/89	C
851/L12017	Mountain Blvd. Arco Servi	2844 Mountain Blvd.	602	11/30/90	M
/L81188	Arco Station #02107	3310 Park Blvd.	610	08/14/89	C
/L81295	Sunshine Petroleum, Inc.	6211 San Pablo Ave.	608	12/28/90	M
/HL8112	Arco Station #06002	6235 Seminary Ave.	605	08/31/90	C
/L81130	Arco Station #06148	5131 Shattuck Ave.	609	06/04/90	C
/L81179	Arco Station #00374	6407 Telegraph Ave.	609	08/14/89	C
744/HL7116	Arco Station #02111	1156 Davis St.	577	08/14/89	C
/HL7118	Arco Station #00601	712 Lewelling Blvd.	579	08/14/89	C
1791/LA1469	Tharce	2222 Grant Ave.	580	07/29/89	C
779/HL7119	Arco Station #00608	17601 Hesperian Blvd.	580	08/14/89	C

Arco Stati

Report Total : 26

Status Codes: C=Current/Part2 M=Current/Part1 P=awaiting busPla
 B=ready for Billing A=ready for Billing I=Inactive

*6211 San Pablo
No 1167 MP.*



PACIFIC ENVIRONMENTAL GROUP, INC.

LF

November 8, 1989
Project No. 330-03.01

CALIFORNIA REGIONAL WATER

NOV 13 1989

QUALITY CONTROL BOARD

Mr. Ariu Levi
Alameda County Public Health Service
Hazardous Materials Section
80 Swan Way, Suite 200
Oakland, CA 94621

Subject:

ARCO Station #6002
6235 Seminary Ave.
Oakland, CA 94605

Dear Mr. Levi:

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 each form.

Should you have any questions or comments regarding this matter, please do not hesitate to call Mr. Marty Basques of ARCO at (415) 571-2429.

Sincerely,

PACIFIC ENVIRONMENTAL GROUP, INC.

Alice Scheufler
Alice Scheufler

enclosure

cc: SWRCB, Sacramento
RWQCB, Oakland

01-0113

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 25180.7 OF THE HEALTH AND SAFETY CODE.		
REPORT DATE 1 M 1 0 3 d 8 y 9		CASE #		SIGNED _____ DATE _____		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Alice Scheufler		PHONE (408) 984-6536		SIGNATURE As agent for ARCO <i>Alice Scheufler</i>	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME Pacific Environmental Group, Inc.			
	ADDRESS 1601 Civic Center, Drive, Suite 202 Santa Clara CA 95050					
RESPONSIBLE PARTY	NAME ARCO Petroleum Products <input type="checkbox"/> UNKNOWN		CONTACT PERSON Marty Basques		PHONE (415) 571-2429	
	ADDRESS P.O. Box 5811 San Mateo, CA 94402					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) ARCO Service Station No. 6002		OPERATOR Damjibapa Inc.		PHONE (415) 632-3494	
	ADDRESS 6235 Seminary Ave. Oakland Alameda 94605					
	CROSS STREET Hwy 580		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 AGENCY NAME Alameda County Public Health		CONTACT PERSON Ariu Levi		PHONE (415) 271-4320	
	REGIONAL BOARD San Francisco Bay Region		CONTACT PERSON Don Dalke		PHONE (415) 521-6202	
SUBSTANCES INVOLVED	(1) NAME Gasoline		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN			
	(2)		<input type="checkbox"/> UNKNOWN			
DISCOVERY/ABATEMENT	DATE DISCOVERED 1 M 1 0 1 d 8 y 9		HOW DISCOVERED <input checked="" type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER			
	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 checked="" 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 <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		TANKS ONLY/CAPACITY _____ GAL. AGE _____ YRS <input type="checkbox"/> UNKNOWN		MATERIAL <input type="checkbox"/> FIBERGLASS <input 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) <u>to be determined</u>					
COMMENTS	Unleaded gasoline tank test failed. Fire department and local health department notified.					

Could you check
this out. Files/Print
out show this as
845 not 849, all
reports show

01

07/01/90

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 25140.7 OF THE HEALTH AND SAFETY CODE. SIGNED: <u>[Signature]</u> DATE: <u>07/01/90</u>	
REPORT DATE 1 M 1 M 0 D 3 D 8 Y 9 Y		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Alice Scheufler		PHONE (408) 984-6536	SIGNATURE <u>[Signature]</u> As CALIFORNIA REGIONAL WATER	
	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, JUN. 22 1990		
	ADDRESS 1601 Civic Center, Drive, Suite 202 Santa Clara QUALITY CONTROL BOARD				
RESPONSIBLE PARTY	NAME ARCO Petroleum Products <input type="checkbox"/> UNKNOWN		CONTACT PERSON Matty Basques	PHONE (415) 571-2429	
	ADDRESS P.O. Box 5811		San Mateo, CA 94402		
SITE LOCATION	FACILITY NAME (IF APPLICABLE) ARCO Service Station No. 6002		OPERATOR Danjibapa Inc.	PHONE (415) 632-3494	
	ADDRESS 6235 Seminary Ave. Oakland Alameda 94605				
	CROSS STREET Hwy 580		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 AGENCY NAME Alameda County Public Health		CONTACT PERSON Ariu Levi	PHONE (415) 271-4320	
	REGIONAL BOARD San Francisco Bay Region		Don Dalke	PHONE (415) 521-6202	
SUBSTANCES INVOLVED	(1) NAME Gasoline		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN		
	(2)		<input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 1 M 1 M 0 D 1 D 8 Y 9 Y		HOW DISCOVERED <input checked="" type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER		
	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 checked="" 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 <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		TANKS ONLY/CAPACITY GAL. _____ AGE _____ YRS <input type="checkbox"/> UNKNOWN	MATERIAL <input type="checkbox"/> FIBERGLASS <input 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
	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				
	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) <u>to be determined</u>				
COMMENTS	Unleaded gasoline tank test failed. Fire department and local health department notified.				

INSTRUCTIONS

EMERGENCY

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

LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY

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

RESPONSIBLE PARTY

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

SITE LOCATION

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

IMPLEMENTING AGENCIES

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

SUBSTANCES INVOLVED

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

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

Indicate source(s) of leak. Provide details on tank age, capacity and material if known. Check box(es) indicating cause of leak.

CASE TYPE

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

CURRENT STATUS

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

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

REMEDIAL ACTION

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

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

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

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

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

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Water Quality, Underground Tank Program, P. O. Box 100, Sacramento, CA 95801
3. Regional Water Quality Control Board
4. County Board of Supervisors or designee to receive Proposition 65 notifications.
5. Owner/responsible party.