

**Plunkett, Steven, Env. Health**

**From:** Tom Venus [tvenus@broadbentinc.com]  
**Sent:** Tuesday, November 21, 2006 5:56 PM  
**To:** Plunkett, Steven, Env. Health  
**Cc:** 'Supple, Paul V'; 'Rob Miller'; jjohnson@stratusinc.net  
**Subject:** Fieldwork Status Update BP/ARCO #601/ACEH RO#309

Hello Steven,

As you may recall from our telephone conversation of 11/15/2006, I called on that day to give a status update on BP/ARCO Station #601 (712 Lewelling Blvd, San Leandro; ACEH RO#309). I informed you that some progress was being made with respect to implementing the *Work Plan for Onsite Investigation, ARCO Service Station #0601* that was proposed to address BP's settlement agreement with the RiverWatch group (one deep boring in the corner of the Station). You may further recall that in your email of 9/15/2006 you approved our request to extend the report due date to 11/15/2006 due to the transition of executing consultants for BP (From URS to Stratus Environmental).

Stratus has now become familiar with the site and proposed work (including permitting of borings with ACEH). However, Stratus had relayed to us that they had initial difficulty scheduling an available driller. As I disclosed to you in our conversation of 11/15, Stratus now has the following field work scheduled: Marking the boring for USA-North member utility clearance by 11/20; Air knifing on 11/22; and drilling/sampling on 11/30-12/1. If the samples are received by the contract laboratory that Friday 12/1, Stratus might anticipate receiving the completed laboratory report by 12/15 or 12/18. We have requested that Stratus provide us with the professionally stamped executor's data package as soon as practical, but with the holidays, BAI might not see it until the first or second week of January. As I promised, to the extent I am capable I will endeavor to quickly turn the results package into the requested Soil and Ground-Water Investigation Report on or before 1/15/2007.

If I recall correctly, you regretted that the report submittal date had slipped as far as it had, but that under the circumstances you would approve this final extension request. If this accounting conflicts with your memory of our conversation, I would appreciate hearing from you at your earliest convenience. Should we not receive a reply back from you within 30 days, we will imply that this accounting is correct and that the due date extension request is acceptable as presented above.

Respectfully,

Tom Venus, PE  
Senior Engineer  
Broadbent & Associates, Inc.  
1324 Mangrove Ave., Ste. 212  
Chico, California 95926  
(530) 566-1400 phone  
(530) 566-1401 fax  
(530) 588-5887 mobile  
tvenus@broadbentinc.com

11/22/2006

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



7

ENVIRONMENTAL HEALTH SERVICES

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

May 31, 2006

Mr. Paul Supple  
BP West Coast Product LLC  
PO Box 6549  
Moraga, CA 94570

Subject: Fuel Leak Case No. [REDACTED] Arco #0601, 712 Lewelling Boulevard, San Leandro, CA 94579

Dear Mr. Supple:

Alameda County Environmental Health Department (ACEH) staff has reviewed the recently submitted report entitled, "Work Plan for Onsite Investigation, Arco Service Station #0601", dated March 3, 2006 and prepared on your behalf by URS Corporation. ACEH concurs with the proposed scope of work presented in the Work Plan report. Please see the technical comments below regarding the proposed work plan implementation.

We request that you perform the proposed work address the following technical comments and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to [steven.plunkett@acgov.org](mailto:steven.plunkett@acgov.org)) prior to the start of field activities.

**TECHNICAL COMMENTS**

1. **Proposed Soil Boring Installation.** Currently, no data has been collected below 30 feet bgs to determine the vertical extent of soil and groundwater contamination on site. Please use the soil boring data to target sediments below first-encountered groundwater for depth-discrete soil and groundwater sampling. During the soil boring installation, soil samples should be screened with a PID and examined for visible staining and hydrocarbon odor. If any interval where staining, odor, or elevated PID readings occur a soil sample is to be collected and submitted for laboratory analysis. If no staining, odor, or elevated PID readings are observed, soil sample are to be collected from each boring at the capillary fringe, where groundwater is first encountered, changes in lithology, and at five foot intervals until total depth of the boring is reached. Additionally, groundwater samples are to be collected at the capillary fringe and at depth discrete intervals determined by the soil boring data.
2. **Chemical Analysis.** In addition to the proposed chemical analyses, ACEH requests that the soil and groundwater samples collected be analyzed for the following constituents; TPHg, TPHd, TPHmo, and the fuel oxygenates; MtBE, TAME, ETBE, DIPE, TBA and EtOH by EPA method 8260.
3. **Project Approach and Investigation Reporting – Site Conceptual Model**

We anticipate that characterization and remediation work in addition to what is requested in this letter will be necessary at and downgradient from your site. Considerable cost savings can be realized if your consultant focuses on developing and refining a viable Site Conceptual Model (SCM) for the project. A SCM is a set of working hypotheses pertaining to all aspects of the contaminant release, including site geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely magnitude of potential impacts to receptors. The SCM is used to identify data gaps that are subsequently filled as the investigation proceeds. As the data gaps are filled, the working hypotheses are modified, and the overall SCM is refined and strengthened. Subsurface investigations continue until the SCM no longer changes as new data are collected. At this point, the SCM is said to be "validated." The validated SCM then forms the foundation for developing the most cost-effective corrective action plan to protect existing and potential receptors.

When performed properly, the process of developing, refining and ultimately validating the SCM effectively guides the scope of the entire site investigation. We have identified, based on our review of existing data, some initial key data gaps in this letter and have described several tasks that we believe will provide important new data to refine the SCM. **We request that your consultant develop a SCM for this site, identify data gaps, and propose specific supplemental tasks for future investigations.** There may need to be additional phases of investigations, each building on the results of the prior work, to validate the SCM. Characterizing the site in this way will improve the efficiency of the work and limit its overall cost.

The SCM approach is endorsed by both industry and the regulatory community. Technical guidance for developing SCMs is presented in API's Publication No. 4699 and EPA's Publication No. EPA 510-B-97-001 both referenced above; and "Guidelines for Investigation and Cleanup of MTBE and Other Ether-Based Oxygenates, Appendix C," prepared by the State Water Resources Control Board, dated March 27, 2000.

The SCM for this project shall incorporate, but not be limited to, the following:

- a) A concise narrative discussion of the regional geologic and hydrogeologic setting obtained from your background study. Include a list of technical references you reviewed, and copies (photocopies are sufficient) of regional geologic maps, groundwater contours, cross-sections, etc.
- b) A concise discussion of the on-site and off-site geology, hydrogeology, release history, source zone, plume development and migration, attenuation mechanisms, preferential pathways, and potential threat to downgradient and above-ground receptors. Be sure to include the vapor pathway in your analysis. Maximize the use of large-scale graphics (e.g., maps, cross-sections, contour maps, etc.) and conceptual diagrams to illustrate key points. Include structural contour maps (top of unit) and isopach maps to describe the geology at your site. Geologic cross-sections, which include an interpretive drawing of the vertical extent of soil and groundwater contamination (i.e., an interpretive drawing—not a plot of laboratory results). The SCM report requested below is to include one cross section parallel and one cross section perpendicular to the contaminant plume axis. Each cross section should include, but not be restricted to, the following:

1. Subsurface geologic features, depth to groundwater and man-made conduits.

2. Surface topography. The cross sections should be extended off-site where necessary to show significant breaks in slope.
  3. Soil descriptions for all borings and wells along the line of section.
  4. Screen and filter pack intervals for each monitoring well.
  5. Sampling locations and results for soil and grab groundwater samples.
  6. Site features such as the tank pit, dispensers, etc. Where appropriate, monitoring well location and soil boring locations will be projected back to the strike of the cross section line
- c) Identification and listing of specific data gaps that require further investigation during subsequent phases of work.
- d) Proposed activities to investigate and fill data gaps identified above.
- e) The SCM shall include an analysis of the hydraulic flow system at and downgradient from the site. Include rose diagrams for groundwater gradients. The rose diagram shall be plotted on groundwater contour maps and updated in all future reports submitted for your site. Include an analysis of vertical hydraulic gradients. Note that these likely change due to seasonal precipitation and pumping.
- f) Temporal changes in the plume location and concentrations are also a key element of the SCM. In addition to providing a measure of the magnitude of the problem, these data are often useful to confirm details of the flow system inferred from the hydraulic head measurements. Include plots of the contaminant plumes on your maps, cross-sections, and diagrams.
- g) Several other contaminant release sites exist in the vicinity of your site. Hydrogeologic and contaminant data from those sites may prove helpful in testing certain hypotheses for your SCM. Include a summary of work and technical findings from nearby release sites and incorporate the findings from nearby site investigations into your SCM.
- h) Plots of chemical concentrations vs. time and vs. distance from the source. Plots should be shown for each monitoring well, which has had detectable levels of contaminants
- i) Summary tables of chemical concentrations in each historically sampled media (including soil, groundwater and soil vapor).
- j) Boring and well logs (including construction/screening), and a summary table indicating construction specifications for each monitoring and extraction well.

Report the information discussed above in your initial SCM and include it in the Work Plan requested below. Include updates to your SCM in the Soil and Water Investigation (Results of Expedited Site Assessment) Report requested below

Please report the information discussed above in your initial SCM and include it in the SCM Report requested below. Also include updates to your SCM in subsequent reports.

#### **TECHNICAL REPORT REQUEST**

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

- **August 15, 2006 – Soil and Water Investigation Report with Initial Site Conceptual Model**

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

#### **ELECTRONIC SUBMITTAL OF REPORTS**

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

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

#### **PERJURY STATEMENT**

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

#### **PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS**

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to

Mr. Paul Supple  
May 29, 2006  
Page 5

present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

#### **UNDERGROUND STORAGE TANK CLEANUP FUND**

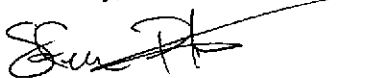
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

#### **AGENCY OVERSIGHT**

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

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

Sincerely,



Steven Plunkett  
Hazardous Materials Specialist

cc: Mr. Alok Lolekar  
URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Mr. Matt Herrick  
Broadbent and Associates, Inc.  
1324 Mangrove Ave., Suite 212  
Chico, Ca 95926

Donna Drogos, ACEH  
Steven Plunkett, ACEH  
File

## Schultz, Robert, Env. Health

---

To: Scott\_Robinson@URSCorp.com  
Cc: supplpv@bp.com; robert\_horwath@urscorp.com  
Subject: RE: RO-309: ARCO #0601

Scott:

I went back to the file room and pulled the reports. Regarding your request for reduction in the well MW-10 sampling frequency, can you tell me why the GRO and benzene isocons are so different from the MTBE isocon map? Were there multiple releases at the site: dispensers, USTs? Does GW generally flow SW per the potentiometric, GRO and benzene maps or S per the MTBE map? If S, we should probably retain semi-annual monitoring of MW-10.  
Bob

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

From: Scott\_Robinson@URSCorp.com [mailto:Scott\_Robinson@URSCorp.com]  
Sent: Tuesday, March 22, 2005 10:42 AM  
To: Schultz, Robert, Env. Health  
Subject: Re: RO-309: ARCO #0601

Bob:

Thanks for getting back to me on these well sampling reductions. In the recommendation MW-11 was proposed as being changed to annual from semi-annual (just like MW-14) and as being removed from completely from sampling. This was an error. It should have been MW-10 that was proposed as being changed from semiannual to annual not MW-11. Let me know if you agree with this or if you want to continue to sample MW-10 semiannually. MW-11 will be removed from sampling but still gauged quaterly.

Thanks,  
Scott

---

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

"Schultz, Robert,  
Env. Health"  
<robert.schultz@a  
cgov.org>

03/22/2005 08:24  
AM

<scott\_robinson@URSCORP.COM>,  
<robert\_horwath@URSCORP.COM>,  
<supplpv@bp.com>

To

cc

Subject

RO-309: ARCO #0601

Paul:

Per your request, the following reductions in routine sampling at the above-referenced

site are approved:

- reduce sampling (continue to gauge dtw) of wells MW-7, MW-8 and MW-14 to annual
  - discontinue routine sampling (continue to gauge dtw) of wells MW-11, MW-12, and MW-13
- Please contact me with any questions.

Sincerely,  
Bob

\*\*\*\*\*

Robert W. Schultz, R.G.  
Hazardous Materials Specialist  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502  
510-567-6719 (direct)  
510-337-9335 (facsimile)



**Schultz, Robert, Env. Health**

---

**To:** Scott Robinson (E-mail); Bob Horwath (E-mail); Paul Supple (E-mail)  
**Subject:** RO-309: ARCO #0601

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Robert W. Schultz, R.G.  
Hazardous Materials Specialist  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502  
510-567-6719 (direct)  
510-337-9335 (facsimile)

## Schultz, Robert, Env. Health

---

**From:** Scott\_Robinson@URSCorp.com  
**Sent:** Tuesday, March 22, 2005 3:36 PM  
**To:** Schultz, Robert, Env. Health  
**Cc:** robert\_horwath@urscorp.com; supplpv@bp.com  
**Subject:** RE: RO-309: ARCO #0601

**Attachments:** BP-Rose-Figure Site 601.xls



BP-Rose-Figure Site  
601.xls (5...

Bob:

Not a problem if you want leave MW-10 at semi-annual.

The MTBE isocon looks different because the low detection (2.2 ug/L) at MW-10 pulls the lowest isocon down to the south. MW-10 is non-detect for TPHg & benzene so the lowest isocon stays up on the site. Looking at the historic data there have never been detections of TPHg or benzene at MW-10.

The highest detection of MTBE was 3.5 ug/L on 4/18/02.

Looking at the historic gradient & flow direction it appears that the flow direction has been variable over time. The majority of the time the direction is East to Southeast. It has never been due South. Attached is a Rose diagram of flow directions from 8/4/94 to 4/7/03 that was prepared for the Second Quarter 2003 Quarterly Monitoring Report. (See attached file: BP-Rose-Figure Site 601.xls)

Scott

---

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

"Schultz, Robert,  
Env. Health"  
<robert.schultz@a  
cgov.org>

03/22/2005 10:57  
AM

<Scott\_Robinson@urscorp.com>

<supplpv@bp.com>,  
<robert\_horwath@urscorp.com>

To

cc

Subject

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Scott Robinson  
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URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612  
510-874-3280 Direct / 510-874-3268 Fax

"Schultz, Robert,  
Env. Health"

To: <robert.schultz@a  
cgov.org> <scott\_robinson@URSCORP.COM>,  
<robert\_horwath@URSCORP.COM>,  
03/22/2005 08:24 <supplpv@bp.com>

cc AM

Subject RO-309: ARCO #0601

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Please contact me with any questions.

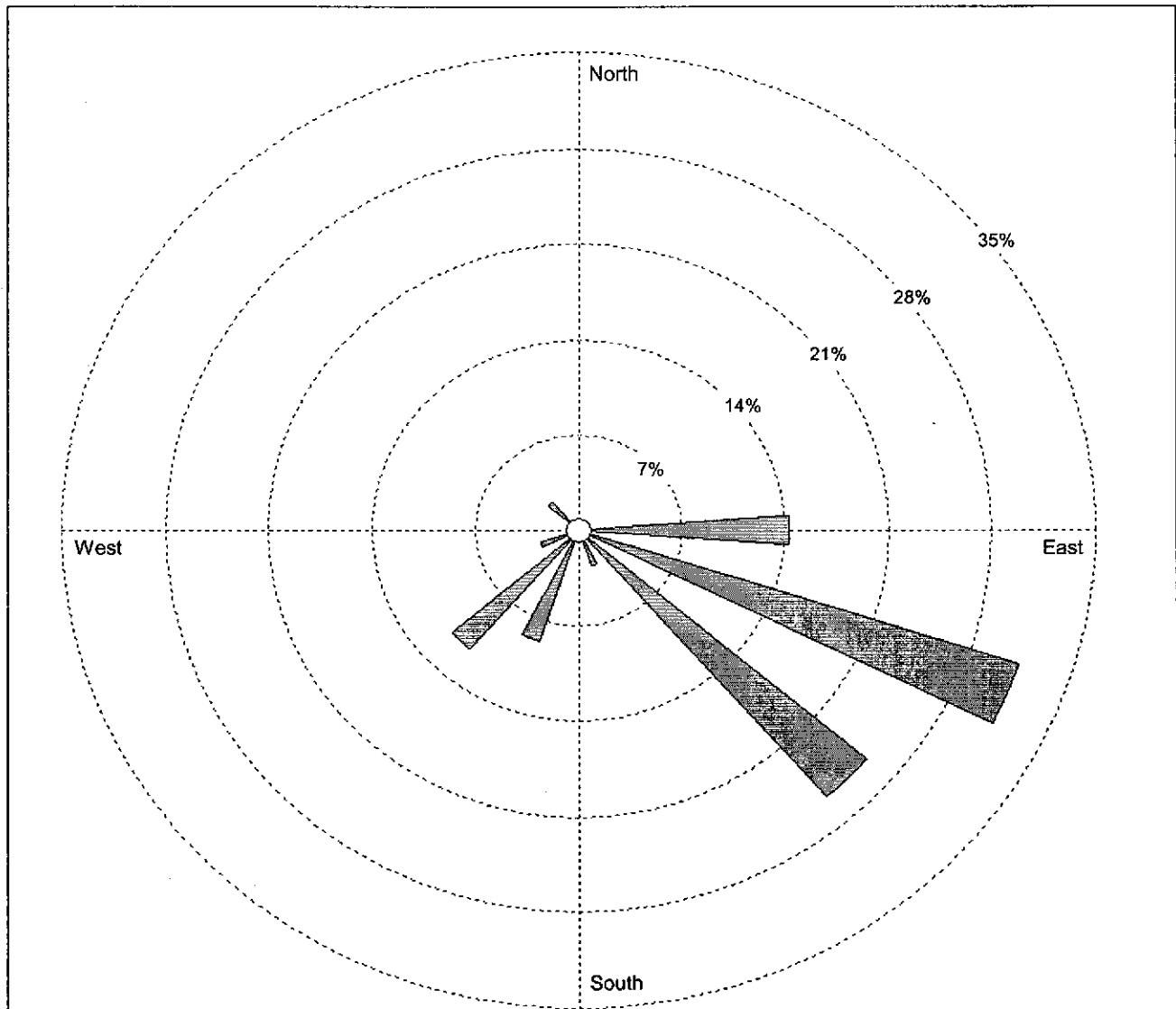
Sincerely,

Bob

\*\*\*\*\*

Robert W. Schultz, R.G.  
Hazardous Materials Specialist  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502  
510-567-6719 (direct)  
510-337-9335 (facsimile)

**Figure 5**  
**Rose Diagram of Groundwater Flow Direction From 08/04/94 through 04/07/03**  
**ARCO Service Station #0601**  
**712 Lewelling Boulevard**  
**San Leandro, California**



**Figure 5 Legend**

Rose segments represent measured groundwater flow directions from 08/04/94 through 04/07/03.

Rose segments show frequency of flow directions expressed as percent (%) of total readings (35) from 08/04/94 through 04/07/03. Monitoring events with "variable" flow direction were excluded when completing this diagram.

Previous consultant did not provide groundwater flow direction or gradient measurements for monitoring events occurring 07/17/90 through 05/05/94.

Source: The data within this figure collected prior to July 2002 was provided to URS by Alameda County Environmental Health (07/17/90 – 03/17/95) and Group Environmental Management and their previous consultants. URS has not verified the accuracy of this information.

## Chu, Eva, Env. Health

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**From:** Chu, Eva, Env. Health  
**Sent:** Monday, April 28, 2003 5:11 PM  
**To:** Supple, Paul (E-mail)  
**Subject:** Arco 601 at 712 Lewelling Blvd, San Leandro, CA

Hi Paul.

I was reviewing the latest QMR and case file for the above referenced site. Your consultant requested that the sampling frequency for the following wells change to:

Sampling frequency to Annual basis wells MW-9 and MW-15 and  
sampling frequency to Semi-annual basis wells MW-10 and MW-14. This is acceptable.

When I looked at historic groundwater flow direction, it appears GW flowed to the west, southwest int 1992 to 1995. By 2000, GW flow shifted to the east, southeast. Why the change in flow direction? Please provide rose diagram of GW flow direction and isoconcentration maps for TPHg, benzene and MTBE. Thanks.

*eva chu*

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

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

October 30, 2002

RO 309

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

RE: ARCO Service Station #601, 712 Lewelling Boulevard, San Leandro - Request for Total Fuel Oxygenate Analyses

Dear Mr. Supple:

The case file for the referenced site was recently reviewed, up to and including the June 2002 Delta Environmental, Inc. 1<sup>st</sup> quarter 2002 sampling report. This review was primarily conducted to identify the current suite of target compounds sought in water samples collected from the various wells within the network. Our review revealed that a number of potential fuel oxygenates may not have been sought historically from samples collected from these wells.

Please direct your consultant to analyze all samples collected during the next scheduled sampling event for the presence of total fuel oxygenates (MtBE, TAME, EtBE, DIPE, and TBA) and lead scavengers (EDB and 1,2-DCA / EDC) using EPA Method 8260. Such expanded analyses may be required to continue depending upon what is found.

In addition, you are reminded that all reports for this case, as well as all other ARCO cases, are to be submitted under ARCO cover that is signed, under penalty of perjury, by the official ARCO project representative.

Please contact me at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB  
Michael Bakaldin, San Leandro Hazardous Materials Program  
Steven Meeks, Delta Environmental Consultants, Inc.  
3164 Gold Camp Drive, Ste. 200, Rancho Cordova, CA 95670-6021

Arco  
712 Lewelling Ave  
S. Leandro

Memo to file:

5/30/02

I met Hal Hanson (Doulos) at the site today as he was completing the hand-auger investigation along the sanitary sewer line under Lewelling Ave. He reports that all but the ~~west~~ NE most boring was completed, although he indicated it was not entirely clear if they were advanced into back fill or native material. The sediments were apparently fine-grained, and water was reached at fairly shallow depths.

SOS



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



March 12, 2002

STID 4275 / RO0000309

ENVIRONMENTAL HEALTH SERVICES

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

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

RE: ARCO Service Station #601, 712 Lewelling Boulevard, San Leandro – Sewer Line Investigation

Dear Mr. Supple:

In correspondence dated December 29, 1999, this office approved the scope of the November 3, 1999 Pinnacle Environmental Solutions (Pinnacle) workplan describing proposed steps for sampling groundwater, and soil /backfill material from an adjacent 24" sanitary sewer trench that passes below and parallel to Lewelling Boulevard. This plan is similar in general scope to that of the previous (and unimplemented) July 2, 1997 EMCON workplan.

To date, we have not been informed that this work has been completed, more than 2 years after work plan approval. Completion of this task was first requested by this office approximately 5 years ago. This is unacceptable.

You are now directed, within 10 working days of the date of this letter, to inform when this work will begin, if it has not yet been implemented, or to submit the final report documenting said work if it has already occurred. Please be advised that if this work has not yet been completed, it must be completed within 45 days of the date of this letter to coincide with expected seasonal high groundwater levels.

Please be advised that this letter constitutes a request for technical reports pursuant to California Water Code Sec. 13267(b).

Please contact me at (510) 567-6783 should you have any questions, or to otherwise comply with the directives outlined in this letter.

Sincerely,

  
Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB  
Mike Bakaldin, San Leandro Hazardous Materials Program  
Glen VanderVeen, Pinnacle Environmental Solutions  
2201 Broadway, Ste. 101, Oakland, CA 94612-3023

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

TRANSMITTAL

921113-0 11 01 92

TO: MR. LARRY SETO  
ACHCSA-HAZARDOUS MATERIALS DIV.  
80 SWAN WAY, ROOM 200  
OAKLAND, CALIFORNIA 94621

DATE: 3/6/92  
PROJECT NUMBER: 69034.07  
SUBJECT: ARCO STATION 601,  
712 LEWELLING BOULEVARD, SAN LEANDRO,  
CALIFORNIA.

FROM: JOEL COFFMAN  
TITLE: PROJECT GEOLOGIST

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via \_\_\_\_\_ the following items:  
☐ Shop drawings ☐ Prints ☒ Reports ☐ Specifications  
☐ Letters ☐ Change Orders ☐ \_\_\_\_\_

COPIES	DATED	NO.	DESCRIPTION
1	3/5/92		FINAL-ADDENDUM FOUR TO WORK PLAN INTERIM REMEDATION AT THE ABOVE SUBJECT SITE.

THESE ARE TRANSMITTED as checked below:

☐ For review and comment ☐ Approved as submitted ☐ Resubmit \_\_\_ copies for approval  
☒ As requested ☐ Approved as noted ☐ Submit \_\_\_ copies for distribution  
☐ For approval ☐ Return for corrections ☐ Return \_\_\_ corrected prints  
☐ For your files ☐ \_\_\_\_\_

REMARKS: THIS ADDENDUM HAS BEEN FORWARDED TO YOU AT THE REQUEST OF  
MR. CHUCK CARMEL, ARCO PRODUCTS COMPANY.

Copies: 1 to project file no. 69034.07

\*Revision Date: 11/21/91  
\*File Name: TRANSMT.PRJ



**Delta**  
Environmental  
Consultants, Inc.

SEP 25 2001

3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, CA 95670-6021  
U.S.A.  
916/638-2085  
FAX: 916/638-8385

September 19, 2001

Mr. Scott Seery  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, CA 94502

Subject: *Scheduling of Utility Assessment by Hand Borings*  
ARCO Station No. 601  
712 Lewelling Blvd.  
San Leandro, California  
Delta Project No. D000-303

Dear Mr. Seery:

Delta Environmental Consultants, Inc. (Delta) has been authorized by ARCO to conduct a hand boring assessment of a utility trench located adjacent to ARCO Service Station No. 601, located at 712 Lewelling Boulevard, San Leandro, California. This letter is being prepared at your request to follow-up our telephone conversation in August 2001, with regards to scheduling the hand boring ground water assessment of the utility trench adjacent to the subject site. ~~It was mutually agreed that since groundwater levels were currently too low to adequately collect ground water samples in the utility trench, the event would be scheduled for March or April 2002.~~ This period of time would yield the best chance to collect ground water samples from the trench since groundwater would be approaching its highest level.

If you have any questions regarding this project, please contact me at (916) 536-2613.

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**

Steven W. Meeks, P.E.  
Project Manager

TLA (Lrp005-0601.doc)

cc: Mr. Paul Supple - ARCO

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



December 29, 1999

STID 4275

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

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

RE: ARCO Service Station #601, 712 Lewelling Boulevard, San Leandro

Dear Mr. Supple:

I am in receipt and have completed review of the November 3, 1999 Pinnacle Environmental Solutions (Pinnacle) workplan describing proposed steps for sampling groundwater, soil and/or trench backfill material from the 24" sanitary sewer trench that passes below and parallel to Lewelling Boulevard. This plan is similar in general scope to that of the previous (and unimplemented) July 2, 1997 EMCON workplan. The Pinnacle workplan proposes fewer sample locations than does the EMCON proposal, as well as the use of hand tools in lieu of power equipment (i.e., "hydropunch or other...sampling equipment") to facilitate sample collection once sampling depths have been reached.

This modified workplan is accepted as submitted with the understanding that the interception and collection of groundwater from within the noted sewer trench is the primary goal of this project task. Every reasonable effort should be expended to ensure the collection and analyses of viable groundwater samples, even if to do so ultimately requires some acceptable modification to the proposed sampling methodology at the time the work is completed.

Please contact me at (510) 567-6783 to inform me when field work has been scheduled.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB  
Mike Bakaldin, San Leandro hazardous Materials Program  
Glen VanderVeen, Pinnacle Environmental Solutions  
2201 Broadway, Ste. 101, Oakland, CA 94612-3023



November 3, 1999  
Project 791633

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

Re: ARCO Service Station No. 601, 712 Lewelling Boulevard, San Leandro, California

Dear Mr. Seery:

This letter was prepared by Pinnacle Environmental Solutions, a member of The IT Group (Pinnacle), on behalf of ARCO Products Company (ARCO) in response to our phone conversation last week (October 20, 1999) regarding sampling in utility trenches near the above-referenced site. You had called in reference to the September 22, 1999 letter from Pinnacle regarding the above-mentioned sampling. The result of our conversation was that **Pinnacle will not advance any machine powered sampling or boring equipment into a utility trench, but that Pinnacle would attempt to perform the sampling using hand tools.**

The sampling was originally proposed in a July 2, 1997 workplan and included 8 sampling locations. However, in subsequent meetings and discussions, it became apparent that the utility trench of concern contains the 24-inch sewer main at 9.5 to 10.5 feet below ground surface beneath the middle of Lewelling Boulevard because this is the only trench, which would routinely be inundated by groundwater. Therefore, Pinnacle proposes to sample the four proposed locations, which target that sewer main trench, as shown on Figure 1.

Prior to conducting field work, the Oro Lomo Sanitary District (OLSD) will be contacted to aid in locating the sewer line and to obtain their approval for the methods for conducting this work. Pinnacle will not proceed without OLSD cooperation and approval. In addition, an encroachment permit will be obtained from the City of San Leandro for closing part of Lewelling Boulevard.

Pinnacle will advance a hand auger boring into each of the locations indicated on Figure 1. **The boring will be advanced into the trench backfill.** If groundwater is encountered before reaching the trench backfill, or if the boring is caving, the boring will be advanced as deep as possible before caving prevents reaching additional depth. Otherwise, the boring will be advanced into groundwater within the trench. If groundwater is not encountered in the

99 NOV -8 PM 4:53  
ENVIRONMENTAL  
PROTECTION

Mr. Scott Seery  
November 3, 1999  
Page 2

Project 791633

trench, then a soil sample of the trench backfill and the native soil beneath the trench will be collected (depending on the depth of the boring). Soil samples will be collected by forcing a 2-inch by 6-inch brass tube into soil within the hand auger bucket that has been brought to the surface. Groundwater samples will be obtained by inserting a temporary PVC casing with a 3 to 5 foot screen into the boring and collecting a sample from within the PVC casing using a disposable bailer. Soil and groundwater samples will be analyzed for total petroleum hydrocarbons as gasoline (EPA Method 8015 modified) and benzene, toluene, ethyl benzene, total xylenes and methyl tertiary-butyl ether (EPA Method 8021B).


You may contact me directly at (510) 740-5807 if you have any additional questions or comments. Work is subject to time delays in obtaining the City of San Leandro encroachment permit and approval of the OLSD. We will proceed with permitting and scheduling the work once your written approval is received.

Sincerely,

Pinnacle



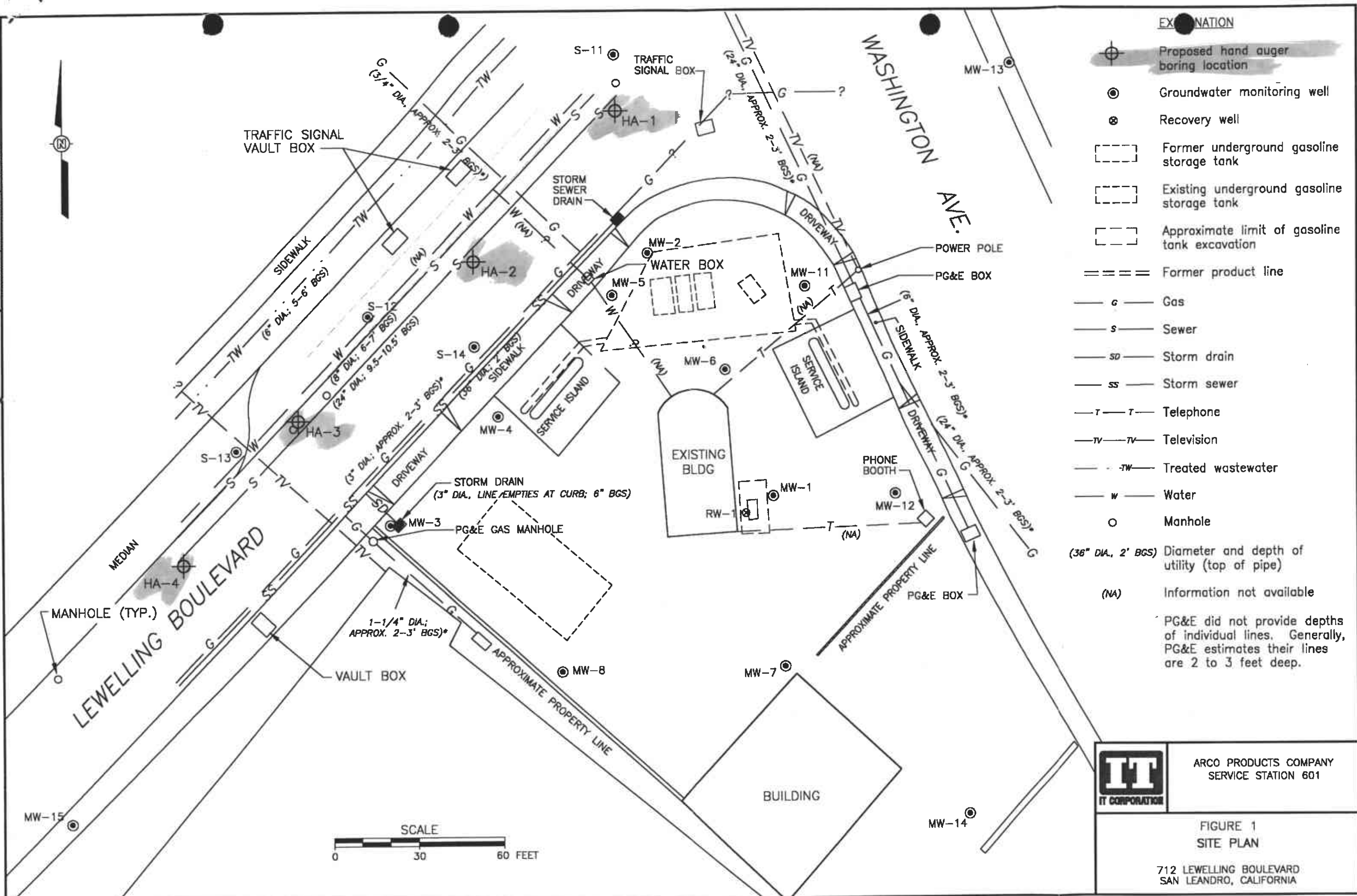
Glen VanderVeen  
Project Manager



Mark Capps, R.G. 6561  
Project Geologist

Attachments: Figure 1 -- Site Plan

cc: Mr. Paul Supple, ARCO



ARCO PRODUCTS COMPANY  
 SERVICE STATION 601

FIGURE 1  
 SITE PLAN

712 LEWELLING BOULEVARD  
 SAN LEANDRO, CALIFORNIA



ENVIRONMENTAL  
PROTECTION

99 SEP 23 PM 2: 23

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

September 22, 1999  
Project 791633

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

Re: ARCO Service Station No. 601, located at 712 Lewelling Boulevard, San Leandro,  
California

Dear Mr. Seery:

This letter was prepared by Pinnacle Environmental Solutions, a member of The IT Group (Pinnacle), on behalf of ARCO Products Company (ARCO) in response to our phone conversations last week (September 13 and 17, 1999) and to clarify the status and objectives for possible future work at the above-referenced site. You called inquiring about the February 9, 1999, workplan submitted by Pinnacle. I explained that this workplan was written as a follow-up to the August 11, 1998 meeting held at your office and attended by the Alameda County Health Care Services Agency (ACHCSA), ARCO and Pinnacle personnel.

In that meeting, Pinnacle and ARCO expressed concern for conducting sampling activities in utility trenches because it is our opinion that the health and safety risk is far too high, as well as potential for public nuisance and excessive repair costs that would result in drilling next to and within utility trenches, which contain the utilities. As a result of our August 1998 meeting, Pinnacle investigated the specific location of Shell wells, which are installed in the street Lewelling Boulevard to see if they lie between the sewer and/or storm drain trenches and the ARCO site. We discovered the Shell wells are located on the far side (away from the ARCO site) of the utility trenches. **While we believe the probability of this being a major problem is rather remote, it is possible the hydrocarbon plume could conceivably have been intercepted by the utility trenches prior to reaching these Shell wells and preferentially migrated along those trenches.** In this scenario, the Shell wells would not provide meaningful monitoring data with respect to the dissolved hydrocarbon plume. Therefore, Pinnacle devised a plan to evaluate whether the utility trenches represent a significant threat to sensitive receptors (discussed below). Regardless, the groundwater flow direction beneath the site has changed in the last few



years so that Lewelling Boulevard is now in the upgradient direction with respect to the site (flow direction since November 1996 has been toward the east to southeast).

As discussed in the February 9, 1999, workplan, EMCON conducted a risk assessment for the above-referenced site which concluded that hydrocarbons in soil and water at the site do not exceed concentrations which correspond to acceptable levels of risk (Tier 1, Tier 2, Risk-Based Corrective Action Evaluation for ARCO Service Station 601, EMCON, June 9, 1997). As discussed in the Risk Assessment, shallow water beneath the site is not used as a source of potable water. Therefore, the risk pathway which Pinnacle assumed required evaluation for this scenario is the volatilization of hydrocarbons to indoor air which may have migrated in groundwater through the utility trenches. In order to evaluate the potential existence of such hydrocarbon vapors, Pinnacle proposed collecting vapor samples from those utility trenches which may become inundated with groundwater adjacent to the ARCO site (outlined in the February 9, 1999, workplan). However, you informed me in our phone conversations last week, this technique is not satisfactory to ACHCSA and that other consultants are conducting soil and groundwater sampling through utility trenches. You provided Cambria Environmental Technology, Inc. (Cambria) and their subcontractor Gregg Drilling and Testing, Inc. (Gregg) as an example.

Pinnacle spoke to Cambria and Gregg regarding this similar work they performed at 350 Grand Avenue, Oakland, California. Gregg stated that almost all of the work they performed near the utility trenches was, in fact, dug/augured by hand and that no undisturbed samples were collected from the utility trenches. Cambria informed Pinnacle that they hand augered into a sewer trench backfill and then proceeded with a geoprobe through the backfill materials. The sewer line was located by a local utility line locating service and Cambria estimated that their borehole was approximately 6 to 12 inches away from the sewer line location. However, Cambria also informed Pinnacle that they had notified ACHCSA that this work was only performed because of the close proximity of the site to Lake Merritt (across the street), and that they do not intend to perform this type of work again in the future due to the high risk and liability associated with digging/drilling in and around utility trenches, especially with heavy machinery.

incorrect:  
① Lk. Merritt  
is some 700'  
feet away, and  
② Cambria  
never stated  
anything of the  
sort to ACHCSA

### Proposed Alternative

Pinnacle maintains that drilling into utility trenches should be considered extremely dangerous and costly and should not be attempted. The amount of liability associated with performing this type work is, in our opinion, too high. Also, please note that Division 5 of Title 1 of the State of California Government Code (section 4216) requires that any excavation work near a utility line must be excavated using hand tools within 24 inches on

Mr. Scott Seery  
September 22, 1999  
Page 3

Project 791633

either side of the utility in order to find the exact location of the utility. Power driven equipment may only be used within 24 inches of the utility with mutual consent of the excavator (driller) and operator (in this case, the Oro Loma Sanitary District). However, in order to provide ACHCSA with another alternative for evaluating the transport of hydrocarbons through the utility trenches to sensitive receptors (since the vapor sampling workplan is unsatisfactory), we again appeal to the risk-based approach. Pinnacle will prepare an evaluation of the migration of the plume, assuming it has in fact entered the sewer line backfill and is migrating through the backfill. The evaluation will estimate groundwater concentrations at the closest sensitive receptors which the sewer lines will reach, based on reasonable models for groundwater and hydrocarbon transport.

Please feel free to contact me directly regarding this proposed additional evaluation of site data at (510) 740-5807. If you require more details regarding assumptions for the transport evaluation, we would be glad to provide them for you. The courtesy of your written response is requested.

Sincerely,

Pinnacle



Glen VanderVeen  
Project Manager



Mark Capps, R.G. 6561  
Project Geologist

cc: Mr. Paul Supple, ARCO

**ARCO Products Company**

4 Centerpointe Drive  
La Palma, California 90623-1066  
Telephone 714 670 5300

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



June 24, 1999

Scott Seery  
Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: New Law Requiring Notification of All Current Owners of Fee Title of  
Proposed Cleanup of Closure**

Dear Mr. Seery:

ARCO has received your letter, dated May 7, 1999, concerning Assembly Bill 681. Your letter requested that I provide you with a mailing list of all record fee owners for ARCO facility #601, 712 Lewelling Boulevard, San Leandro, California. I researched the property ownership for this site and found that ARCO facility #601 is owned by ARCO.

Please call me at (925) 299-8891 if you have any questions concerning this letter.

Sincerely,

Paul Supple  
Environmental Engineer

cc: Glen VanderVeen, Pinnacle Environmental Solutions

99 JUN 25 PM 3:52  
ENVIRONMENTAL  
PROTECTION

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

May 7, 1999

STID 4275

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

RE: ARCO Service Station #601, 712 Lewelling Boulevard, San Leandro

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Supple:

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

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

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

LANDOWNER NOTIFICATION

Re: 712 Lewelling Blvd., San Leandro

May 7, 1999

Page 2 of 2

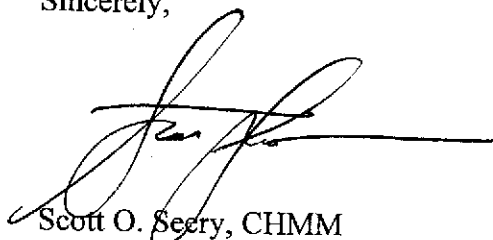
In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

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

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

Please call me at (510) 567-6783 should you have any questions about the content of this letter.

Sincerely,



Scott O. Seery, CHMM  
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB  
Mike Bakaldin, San Leandro Hazardous Materials Program

SAMPLE LETTER (2): LIST OF LANDOWNERS FORM

---

Name of local agency  
Street address  
City

SUBJECT: CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR (*Site Name and Address*)

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

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

Sincerely,

Signature of primary responsible party

Name of primary responsible party

SAMPLE LETTER 3: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY

---

Name of local agency  
Street address  
City

SUBJECT: NOTICE OF PROPOSED ACTION SUBMITTED TO LOCAL AGENCY  
FOR *(Site Name and Address)*

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

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

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners



**EMCON**

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

March 19, 1997  
Project 20805-116.008

Mr. Scott Seery  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, California 94502

Re: - Purge or non-purge sampling procedures

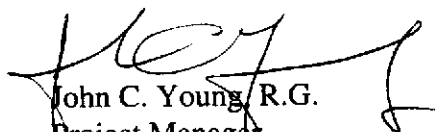
Dear Mr. Seery:

On behalf of ARCO, EMCON has prepared this letter to inform you that we will be sampling wells at ARCO Station 601, in San Leandro, 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

**emcon**





ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



November 22, 1996

ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION (LOP)

1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700

FAX (510) 337-9335

STID 4275

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

RE: ARCO SERVICE STATION 601, 712 LEWELLING BOULEVARD, SAN  
LEANDRO - REQUEST FOR A RISK-BASED CORRECTIVE ACTION AND  
CONTAMINANT FATE AND TRANSPORT EVALUATION

Dear Mr. Supple:

This letter follows our meeting of November 19, 1996, attended by yourself, your consultant John Young (EMCON), and myself. You may recall that we discussed the subject site in context with our draft California-modified ASTM (E1739-95) Tier 1 risk-based screening level (RBSL) "Look-Up" table, how these RBSLs compare with site-specific soil and ground water data, potential exposure pathways and receptor populations, and the risk-based corrective action (RBCA) process. Of particular note was the potential for there to be remote off-site receptor populations. This potential is based on the depth of sewer line trenches, geology, and water elevations. Such utility trenches appear to create a preferential plume migration pathway.

Please have your experienced risk assessor prepare a RBCA evaluation of potential human health risks following the ASTM E1739-95 framework. Among other elements of consideration, both direct and indirect potential exposure pathways, and on- and off-site receptors (i.e., commercial/ industrial and residential) are to be evaluated. In addition, a contaminant fate and transport study with respect to plume/vapor migration along suspected preferential pathways (e.g., utility trenches, etc.) is to be completed to confirm the presence or absence of such potential exposure routes.

A report documenting this evaluation is to be presented. This report shall include, as necessary, any recommendations for additional assessment work or further Tier evaluation. If, during this stage of the evaluation, your risk assessor determines a need to employ predictive modelling, we will need to meet again to discuss appropriate exposure parameters to be employed, before the modelling is performed.

The RBCA evaluation report is due for submittal by March 3, 1997.

Mr. Supple

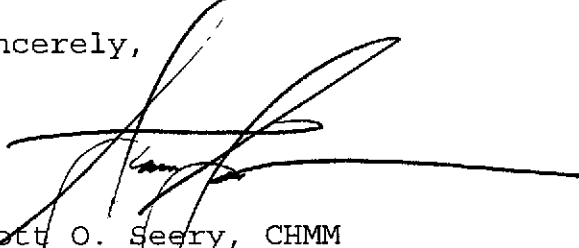
RE: ARCO Station 601, 712 Lewelling Blvd., San Leandro

November 22, 1996

Page 2 of 2

Please feel free to contact me at 510/567-6783 should you have any questions.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Mee Ling Tung, Director  
Bob Chambers, Alameda County District Attorney's Office  
Kevin Graves, RWQCB  
Mike Bakaldin, San Leandro Hazardous Materials Program  
John Young, EMCON, 1921 Ringwood Ave., San Jose 95131-1721

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



November 4, 1996

STID 4275

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

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

RE: ARCO SERVICE STATION 601, 712 LEWELLING BOULEVARD, SAN  
LEANDRO - REQUEST FOR A RISK-BASED CORRECTIVE ACTION AND  
CONTAMINANT FATE AND TRANSPORT EVALUATION

Dear Mr. Supple:

A comparison of *draft* California-modified ASTM (E1739-95) Tier 1 risk-based screening levels (RBSL) with historic ground water and soil analytical data from the multiple phases of environmental investigation performed at the subject site was recently completed. Exposure parameters (e.g., depth to water, sediment type, etc.) employed to generate Tier 1 RBSLs were also contrasted with site-specific characteristics to determine their relevance. Comparison reveals that Tier 1 RBSLs are exceeded for several exposure pathway and receptor scenarios, and that many site characteristics differ from the Tier 1 exposure parameters.

Sedimentary sequences and concentrations of fuel compounds in both ground water and sediments encountered in wells and borings emplaced along the northern (Lewelling) margin of the site were compared to the proximity and depth of sewer line trenches and other utilities located along the Lewelling Boulevard easement. This evaluation strongly suggests high concentrations of contaminants are preferentially migrating from the site through the Lewelling Boulevard utility trenches.

The foregoing indicates a Tier 2 human health risk evaluation is needed, consistent with the ASTM ES 1739-95 standard guidance, a task not completed to date. Potential on- and off-site receptors must be identified. In doing so, further contaminant fate and transport studies (i.e., vapor and dissolved/immiscible phase migration through utility trenches) must be completed.

I believe it would be beneficial to schedule a meeting in November to discuss these issues with you and your experienced risk assessor before embarking on this project. I will attempt to contact you regarding this issue and to schedule this meeting.

Mr. Supple

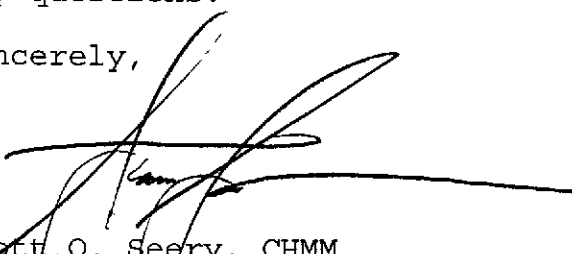
RE: ARCO Station 601, 712 Lewelling Blvd., San Leandro

November 22, 1996

Page 2 of 2

Please feel free to contact me at 510/567-6783 should you have any questions.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Mee Ling Tung, Director  
Bob Chambers, Alameda County District Attorney's Office  
Kevin Graves, RWQCB  
Mike Bakaldin, San Leandro Hazardous Materials Program  
John Young, EMCON, 1921 Ringwood Ave., San Jose 95131-1721



**EMCON**

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

96 JUN -3 PM 3:04  
ENVIRONMENTAL  
PROTECTION

Date May 23, 1996  
Project 20805-121.003

To:

Mr. Scott Seery  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harborbay Parkway, Suite 250  
Alameda, California 94502

We are enclosing:

Copies	Description
<u>1</u>	<u>First quarter 1996 groundwater monitoring results</u>
	<u>for ARCO service station 601, San Leandro, California</u>
<u>1</u>	<u>John Sullivan letter</u>

For your:	<u>X</u>	Use	Sent by:		Regular Mail
		Approval			Standard Air
		Review			Courier
		Information		<u>X</u>	Other: <u>Cert. Mail</u>

Comments:

The enclosed groundwater monitoring report is being sent to you per the request of ARCO Products Company. Please call if you have questions or comments.

  
John C. Young  
Project Manager

cc: Kevin Graves, RWQCB - SFBR  
Mike Bakaldin, SLFD  
Michael Whelan, ARCO Products Company  
File





Date:

May 23, 1996

Re: ARCO Station #

601 • 712 Lewelling Boulevard • San Leandro, CA  
First Quarter 1996 Groundwater Monitoring Results

"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

ALAMEDA COUNTY ENVIRONMENTAL  
HEALTH DEPARTMENT

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

FAX COVER SHEET

DATE: August 16, 19 95

TO: MICHAEL WHELAND

ARCO

FAX # (408) 377-8361

Total number of pages including cover sheet 2

FROM: SUSAN HUGO

NOTE:

Per your request.

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

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

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



ALAMEDA COUNTY ENVIRONMENTAL  
HEALTH DEPARTMENT

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

FAX COVER SHEET

DATE: June 27, 1995

TO: DAVID LARSON

FAX # (408) 453-0452

Total number of pages including cover sheet 2

FROM: SUSAN L. HUGO

NOTE: LIST of ARCO SITES & corresponding  
contact person

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

(6/27/95)

LIST OF ARCO SITES WITH UGT CLEANUP

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

**EMCON**

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

Date May 25, 1995  
Project 0805-121.02

To:

Mr. Scott Seery  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harborbay Parkway, Suite 250  
Alameda, California 94502

We are enclosing:

Copies	Description
<u>1</u>	<u>First quarter 1995 groundwater monitoring report</u>
	<u>for ARCO service station 601, San Leandro, California</u>
<u>1</u>	<u>John Sullivan letter</u>

For your:	<u>X</u>	Use	Sent by:	<u>          </u>	Regular Mail
	<u>          </u>	Approval		<u>          </u>	Standard Air
	<u>          </u>	Review		<u>          </u>	Courier
	<u>          </u>	Information		<u>X</u>	Other <u>Certified</u>
					<u>Mail</u>

## Comments:

The enclosed groundwater monitoring report is being sent to you per the request of ARCO Products Company. Please call if you have questions or comments.

  
David Larsen  
Project Coordinator

cc: John Jang, RWQCB - SFBR  
Gary Grimm, RWQCB - SFBR  
Mike Bakaldin, SLFD  
Michael Whelan, ARCO Products Company  
David Larsen, EMCON  
File

95 MAY 31 PM 3:43  
ENVIRONMENTAL  
HEALTH  
DEPARTMENT  
ALAMEDA, CA



ARCO Products Company

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



Date: May 25, 1995

Re: ARCO Station #

601 • 712 Lewelling Boulevard • San Leandro, CA  
First Quarter 1995 Groundwater Monitoring Report

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached proposal or report are true and correct."

Submitted by:

Michael R. Whelan  
Environmental Engineer



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

Date March 17, 1995  
Project 0805-121.01


**We are enclosing:**

Copies	Description
1	Fourth quarter 1994 groundwater monitoring report for ARCO service station 601, San Leandro, California
1	John Sullivan letter

For your:        X        Use      Sent by:      \_\_\_\_\_      Regular Mail  
                          \_\_\_\_\_      Approval      \_\_\_\_\_      Standard Air  
                          \_\_\_\_\_      Review      \_\_\_\_\_      Courier  
                          \_\_\_\_\_      Information        X        Other Certified Mail

**Comments:**

The enclosed groundwater monitoring report is being sent to you per the request of ARCO Products Company. Please call if you have questions or comments.

  
David Larsen  
Project Coordinator

cc: John Jang, RWQCB - SFBR  
Gary Grimm, RWQCB - SFBR  
Mike Bakaldin, SLFD  
John Meck, ARCO Legal Department  
Michael Whelan, ARCO Products Company  
David Larsen, EMCON  
File

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



Date: March 17, 1995

Re: ARCO Station # 601 • 712 Lewelling Boulevard • San Leandro, CA  
Fourth Quarter 1994 Groundwater Monitoring Report

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached proposal or report are true and correct."

Submitted by:

Michael R. Whelan  
Environmental Engineer

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

ALCO  
HAZMAT



9/1 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



9/6/94

## 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 Galatfi 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	

9/6/94

## 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 Memeo
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

RECEIVED  
SEP 21 1993

**RESNA**  
Working To Restore Nature

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

DISTRICT AT  
ALAMEDA COUNTY  
CEPD

**TRANSMITTAL**

TO: Mr. Mark Thompson  
Alameda County District  
Attorney's Office  
7677 Oakport Street, Room 400  
Oakland, CA 94605

DATE: September 15, 1993  
PROJECT NUMBER: 61026.02  
SUBJECT: Site Status Updates  
ARCO Various Station  
PAGE No.: 1 of 2

FROM: John C. Young

WE ARE SENDING YOU:

COPIES DATED

DESCRIPTION

Site Status Update for ARCO Stations:

1	9/2/93	ARCO Station No. 601, 712 <del>Lewelling</del> Boulevard, San Leandro, California.
1	9/2/93	ARCO Station No. 6148, 5131 Shattuck Avenue, Oakland, California.
1	9/2/93	ARCO Station No. 6041, 7249 Village Parkway, Dublin, California.
1	9/2/93	ARCO Station No. 4494, 566 Hegenberger Road, Oakland, California.
1	9/2/93	ARCO Station No. 2185, 9800 East 14th Street, Oakland, California.
1	9/2/93	ARCO Station No. 1319, 365 Jackson Street, Hayward, California.
1	9/2/93	ARCO Station No. 362, 29900 Mission Boulevard, California.
1	9/2/93	ARCO Station No. 2107, 3310 Park Boulevard, Oakland, California.
1	9/2/93	ARCO Station No. 2035, 1001 San Pablo Avenue, Albany, California.
1	9/2/93	ARCO Station No. 771, 899 Rincon Avenue, Livermore, California.

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

**TRANSMITTAL**

TO: Mr. Mark Thompson  
Alameda County District  
Attorney's Office  
7677 Oakport Street, Room 400  
Oakland, CA 94605

DATE: September 15, 1993  
PROJECT NUMBER: 61026.02  
SUBJECT: ARCO Various Station  
PAGE No.: 2 of 2

FROM: John C. Young

WE ARE SENDING YOU:

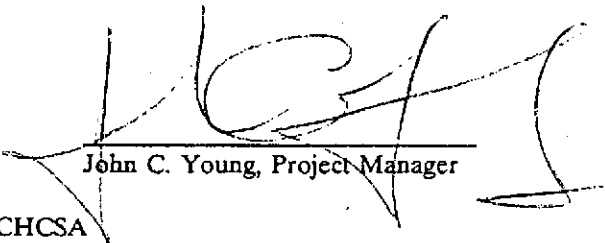
COPIES DATED	DESCRIPTION
	Site Status Update for ARCO Stations:
1 9/2/93	ARCO Station No. 374, 6407 Telegraph Avenue, Oakland, California.
1 9/2/93	ARCO Station No. 2152, 22141 Center Street, Castro Valley, California.
1 9/2/93	ARCO Station No. 276, 10600 MacArthur Boulevard, Oakland, California

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

**REMARKS:**

Copies: 1 to RESNA project file no. 61026.02

  
John C. Young, Project Manager

cc: Mr. Michael Whelan, ARCO    Ms. Susan Hugo, ACHCSA  
Mr. John Meck, ARCO Legal    Mr. Scott Seery, ACHCSA  
Mr. John Jang, RWQCB    Mr. Eddy So, COHFD  
Mr. Gary Grimm, RWQCB    Mr. Hugh Murphy, COHFD  
Ms. Eva Chu, ACHCSA    Mr. Barney Chan, ACHCSA  
Mr. Richard Hiett, RWQCB    Mr. Rob Weston, ACHCSA

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

June 22, 1993  
69034.08

Mr. Scott O. Seery  
Alameda County Health Care Services  
Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, California 94821

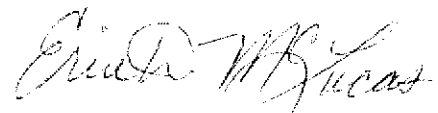
Subject: Submittal of Aquifer Pumping Test Report for ARCO Station 601, 712  
Lewelling Boulevard, San Leandro, California.

Mr. Seery:

As per our telephone conversation on June 11, 1993, we will be submitting a combined report for the aquifer pumping tests and offsite investigations performed at ARCO Station 601, located at 712 Lewelling Boulevard, San Leandro, California. In Addendum Six to Work Plan (RESNA, March 12, 1993) we indicated that the aquifer pumping test report would be submitted 15 weeks from the date of work plan approval. **Due to the added scope of work, the combined report will not be submitted until July 1, 1993.**

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

Sincerely,  
RESNA Industries



Erin McLucas  
Staff Geologist

cc: Michael Whelan, ARCO Products Company  
John Jang, California Regional Water Quality Control Board  
John C. Young, RESNA Industries Inc.

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

**TRANSMITTAL**

TO: Mr. Scott O. Seery  
Alameda County Health Care Services  
Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, CA 94821

DATE: June 22, 1993  
PROJECT NUMBER: 69034.08  
SUBJECT: ARCO Station No. 601

FROM: Erin McLucas

WE ARE SENDING YOU:

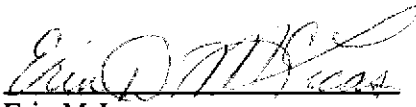
COPIES	DATED	DESCRIPTION
1	6/22/93	Submittal of Aquifer Pumping Test Report for ARCO Station No. 601, 712 Lewelling Boulevard, San Leandro, California.

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

**REMARKS:**

Copies: 1 to RESNA project file no. 69034.08

  
Erin McLucas

cc: Michael Whelan, ARCO Products Company  
John Jang, California Regional Water Quality Control Board  
John C. Young, RESNA Industries

Arco  
712 Lewelling  
S. Leandro

STID 4275

5-27-93

FIELD NOTES:

On-site to observe drilling and installation of two (2) GW monitoring wells at the adjoining, downgradient site. This site is occupied by an apartment complex. Mr. Zbigniew (Zbig) Ignatowicz of RESNA was the geologist logging the wells. Water was encountered ~9' BE in both wells, in a sandy silty clay. My presence was at the request of the RWQCB.

SOS

Zbigniew (Zbig) Ignatowicz  
Staff Geologist

(408) 264-9723

**RESNA**

Working to Restore Nature

42501 Albrae Street  
Fremont, CA 94538  
Phone: (510) 440-3300  
Direct Dial: (510) 440-3350  
Fax: (510) 651-2218

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



May 25, 1993

CALIFORNIA REGIONAL WATER

MAY 27 1993 JMD

QUALITY CONTROL BOARD

Mr. John Sullivan  
17760 Sweetbriar Place  
Castro Valley, California 94546

Re: Monitoring Wells for Offsite Subsurface Investigation at 724 Lewelling  
Boulevard (Chateau Manor Apartments), San Leandro, California.

Dear Mr. Sullivan:

This is a follow-up to our meeting on May 19, 1993 at the Chateau Manor Apartments. During the meeting you approved the locations for two proposed ground-water monitoring wells as witnessed by Mr. John Jang of the Regional Water Quality Control Board. These well locations were cleared by an underground utility locating service. As we agreed, ARCO's consultant, Resna, will have a licensed drilling company begin drilling at 8:00 a.m. May 27, 1993. It was also understood that you will ensure that the two vehicles adjacent to the proposed well locations will be moved by the time the drillers arrive so as to minimize congestion in your parking lot.

If you have any questions regarding this matter, please contact me at (415) 571-2449.

Sincerely,

Michael R. Whelan  
Environmental Engineer

cc: Sarah Backus, State Attorney Generals Office  
Gary Grimm, RWQCB  
Lester Feldman, RWQCB  
John Jang, RWQCB  
John Meck, ARCO  
John Young, Resna



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



May 12, 1993

*JMS*

*MAY 17 1993*

Mr. John Sullivan  
17760 Sweetbriar Place  
Castro Valley, California 94546

Re: Monitoring Wells for Offsite Subsurface Investigation at 724 Lewelling  
Boulevard (Chateau Manor Apartments), San Leandro, California.

Dear Mr. Sullivan:

This is to confirm our meeting scheduled for May 19, 1993 at 10:00 a.m. at the Chateau Manor Apartments to identify the location for installation of monitoring wells by Resna Industries (Resna). Also present at the meeting will be John Jang of the Regional Water Quality Control Board, John Young of Resna, and your apartment manager. Resna has scheduled a drill rig for May 27, 1993.

If you have any questions regarding this matter, please contact me at (415) 571-2449.

Sincerely,

*Michael R. Whelan* / for Michael Whelan

Michael R. Whelan  
Environmental Engineer

cc: Sarah Backus, State Attorney Generals Office  
Gary Grimm, RWQCB  
Lester Feldman, RWQCB  
John Jang, RWQCB  
John Meck, ARCO  
John Young, Resna

DANIEL E. LUNGREN  
Attorney General

State of California  
DEPARTMENT OF JUSTICE



455 GOLDEN GATE AVENUE, SUITE 6200  
SAN FRANCISCO, CA 94102  
(415) 703-1985

FACSIMILE: (415) 703-2592  
(415) 703-1917

April 30, 1993

Mr. John Meck, Senior Counsel  
ARCO Products Legal Office  
P. O. Box 2570  
Los Angeles, California 90051

Mr. John Sullivan  
17760 Sweetbriar Place  
Castro Valley, California 94546

RE: Regional Water Quality Control Board, Cleanup and Abatement  
Order No. 92-147, 724 Lewelling Blvd., San Leandro, CA

Dear Gentlemen:

This is to confirm that we will meet in my office on May 11, 1993 at 10:00 a.m. to discuss the above cleanup and abatement order. I hope that the parties are able to come to an agreement so that litigation is unnecessary.

Our office is located at 455 Golden Gate Avenue, 7th Floor, San Francisco.

Please call me if, for some reason, this arrangement is unacceptable.

Sincerely,

DANIEL E. LUNGREN  
Attorney General

A handwritten signature in dark ink, appearing to read "Sarah C. Backus", written over the typed name.

SARAH C. BACKUS  
Deputy Attorney General

SCB:pd

cc: Gary Grimm  
John Jang

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

## TRANSMITTAL

TO: Mr. John Jang  
Regional Water Quality Control  
San Francisco Bay Region  
2101 Webster Street, Suite 500  
Oakland, California 94621

DATE: April 9, 1993  
PROJECT NUMBER: 69034.08  
SUBJECT: ARCO Station 601,  
712 Lewelling Boulevard, San Leandro,  
California

FROM: Mr. Joel Coffman  
TITLE: Project Geologist

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1	04/06/93	69034.08	Minutes to Meeting held at the offices of Alameda County Health Care Services Agency on March 26, 1993 concerning the above subject site.

THESE ARE TRANSMITTED as checked below:

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

cc: Mr. Michael Whelan, ARCO Products Company  
Mr. Chris Winsor, ARCO Products Company  
Mr. John Meck, ARCO Products Company  
Mr. Scott Seery, ACHCSA  
Mr. Gary Grimm, RWQCB  
Mr. Lester Feldman, RWQCB

Copies: 1 to RESNA project file no. 69034.08

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

April 6, 1993  
0406jjng

Mr. John Jang  
Regional Water Quality Control Board  
San Francisco Bay Region  
2101 Webster Street, Suite 500  
Oakland, California 94621

Subject: Minutes to Meeting Held at the Offices of Alameda County Health Care Services Agency on March 26, 1993 Concerning ARCO Station 601, 712 Lewelling Boulevard, San Leandro, California.

Dear Mr. Jang:

On behalf of ARCO Products Company (ARCO), RESNA Industries, Inc. (RESNA) has prepared these minutes for the meeting held at the offices of the Alameda County Health Care Services Agency (ACHCSA) on March 26, 1993. This meeting was held for discussion of ARCO Station 601 located at 712 Lewelling Boulevard, San Leandro, California. In addition to yourself, attending the meeting were Mr. Scott Seery of the ACHCSA, Mr. Michael Whelan of ARCO, and Mr. Joel Coffman of RESNA.

Items discussed during the meeting concerning the subject site include the following: status of ongoing onsite and offsite assessment including aquifer testing and installation of offsite monitoring wells, current status of regulatory oversight with reference to the Cleanup and Abatement Order (CAO) No. 92-147 issued by the Regional Water Quality Control Board (RWQCB), the work plan to be submitted by ARCO on March 30, 1993 as required by the CAO, and the importance of obtaining data from the independent subsurface environmental investigation required by the CAO to be conducted on the adjoining property to the ARCO site (724 Lewelling Boulevard) by property owner, Mr. John J. Sullivan. A more detailed summary of the topics discussed for the site are included in the following minutes to the meeting.

Mr. John Jang, RWQCB  
Minutes to Meeting at ACHCSA on March 26, 1993

---

April 6, 1993

### **Minutes to Meeting**

The meeting convened at approximately 2:00 p.m. Discussion began with comments made to Mr. Jang and Mr. Seery concerning the RWQCB CAO No. 92-147 and questions were posed by Mr. Whelan and Mr. Coffman concerning whether the CAO had changed the direct regulatory chain-of-command for this site. Mr. Seery and Mr. Jang concurred that the RWQCB would be assuming the lead regulatory role for the site but that ACHCSA would still be involved.

A general overview was presented by Mr. Whelan and Mr. Coffman of the environmental work that had been performed at the site including results of the previously performed vapor extraction test (VET), offsite monitoring well installations, and recently performed aquifer testing. The samples collected from onsite soil borings, VET results and preliminary results of recently performed aquifer testing suggest the site is underlain by very fine-grained sediments (mostly clay) which produce very low yields from the water-bearing zone. During the aquifer testing there was no drawdown observed in wells located in the vicinity of the pumping wells. The VET at the site also support this idea as there was no vacuum influence observed in observation wells during application of vacuum to onsite wells throughout the VET.

Three offsite groundwater monitoring wells have now been installed near the ARCO site (one upgradient and two cross/downgradient) and all have produced soil and groundwater samples with gasoline hydrocarbons below laboratory detection limits (nondetectable). Mr. Whelan pointed out this information also supports the idea that the soils at and near the site allow for very slow (if at all) migration of the gasoline hydrocarbons found beneath the ARCO site. Mr. Seery asked if ARCO still intended to install the trench system around the perimeter of the ARCO site as previously proposed. **Mr. Whelan replied that ARCO would be providing the ACHCSA and the RWQCB with a work plan (as required in the CAO) which would outline ARCO's future plans concerning the site. He also said that based on nondetectable concentrations of soil and groundwater offsite, ARCO will evaluate other remedial alternatives and that this site would possibly qualify for 'alternative points of compliance' as outlined in the San Francisco Bay RWQCB's recently approved Amendment to the Basin Plan.** Mr. Jang interjected that although the RWQCB had approved the Basin Plan Amendment, it had not been approved by the Office of Administrative Law (OAL), which has final authority concerning guidance issues. He stated that the RWQCB was not yet 'officially' applying the 'alternative points of compliance' to cases, but is currently proceeding as though the Basin Plan Amendment is an official document and will continue to unless the OAL decides differently.

Mr. John Jang, RWQCB  
Minutes to Meeting at ACHCSA on March 26, 1993

April 6, 1993

The control of migration of gasoline hydrocarbons from the ARCO site was discussed and Mr. Coffman and Mr. Whelan pointed out that ARCO had now installed two cross/downgradient wells which contained nondetectable levels of gasoline hydrocarbons. Mr. Seery interjected that although that was true, information from the area immediately downgradient of the ARCO site was still lacking and that this information was vital to determining whether migration of the gasoline hydrocarbons was indeed occurring. Mr. Whelan concurred and reiterated the fact that despite ARCO's numerous attempts to gain access for installation of monitoring wells from the adjoining property owner, Mr. John J. Sullivan, access had been denied. This denial was the reason the CAO was issued, which named Mr. Sullivan as an additional responsible party. It was also discussed that despite ARCO's repeated willingness to place wells on the property at ARCO's expense, Mr. Sullivan has elected to conduct his own subsurface environmental investigation on his property. Mr. Seery reiterated that this information was crucial for determining the extent of soils and groundwater impacted by gasoline hydrocarbons and that evaluation of remedial alternatives was dependent on the information which could be obtained from Mr. Sullivan's investigation. However, without the information from the adjoining Sullivan property, it would be difficult to determine the proper remedial alternative. Mr. Whelan concluded this portion of the discussion saying the work plan required by the CAO would address the need for the information from Mr. Sullivan's independent investigation.

Mr. Seery asked for ARCO to have their contracted groundwater samplers, EMCON Associates, prepared to sample groundwater monitoring well MW-1 during each monitoring event as in the past, MW-1 had contained a sheen during sampling events and was not sampled and had not contained product during monitoring-only events, which also resulted in the well not being sampled. Mr. Seery requested the samples from well MW-1 be analyzed for waste-oil constituents and metals. He specifically requested method 5520, which uses a freon cleanup method to eliminate low boiling point hydrocarbons instead of the 418.1 method, which uses a silica gel cleanup method that separates polar/nonpolar hydrocarbons but leaves all petroleum based hydrocarbons in the sample. He said the 418.1 method was probably indicating higher concentrations of waste-oil constituents than was actually in the samples.

Mr. Seery referred to page 8 of the text of the recently submitted additional subsurface investigation report (RESNA, March 3, 1993) to point out that BNA's had incorrectly been reported in parts per million instead of the correct parts per billion. Mr. Coffman said a corrected page and associated table would be made and sent to the ACHCSA, the RWQCB, and ARCO.

Mr. Seery also requested as part of the next investigation report that a fence diagram be included to give a 3-dimensional view of the subsurface conditions at the site.

Mr. John Jang, RWQCB  
Minutes to Meeting at ACHCSA on March 26, 1993

April 6, 1993

General discussion concerning Mr. Sullivan's recent request to ARCO for pre-approved work plans followed. Mr. Coffman stated that RESNA work plans are for use by trained RESNA personnel and would not warrant the use of such a work plan by a third, unknown party due to the liabilities associated with such use. He also pointed out that RESNA couldn't provide consulting services for Mr. Sullivan and ARCO due to conflict of interest considerations. Mr. Jang stated that Mr. Sullivan should contact the RWQCB, in writing, for specific guidelines for conducting an environmental subsurface investigation. Mr. Seery then presented copies of ACHCSA's generic guidelines for preparing work plans for environmental subsurface investigations to Mr. Whelan and Mr. Jang, which could be presented by the RWQCB to Mr. Sullivan.

Mr. Whelan pointed out that only the RWQCB and the City of San Leandro Fire Department were copied on correspondence from Mr. Sullivan indicating that perhaps Mr. Sullivan wasn't aware that the ACHCSA was the lead regulatory agency for the site.

Mr. Seery stated that the ACHCSA was pleased with the progress ARCO had made on the site and with other sites located within Alameda County. He made mention of sites in which other responsible parties appeared to always recommend continued monitoring and were not pursuing remediation. The meeting concluded at approximately 4:30 p.m.

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

Sincerely,  
RESNA Industries Inc.

  
Joel Coffman  
Project Manager

cc: Michael Whelan, ARCO Products Company  
Chris Winsor, ARCO Products Company  
John Meck, ARCO Legal Dept.  
Scott Seery, ACHCSA  
Gary Grimm, RWQCB  
Lester Feldman, RWQCB

Legal  
1055 West Seventh Street  
P.O. Box 2570  
Los Angeles, California 90051-0570  
Telephone 213 486 1873

John P. Meck  
Senior Counsel

GJG

April 2, 1993

APR 05 1993

VIA FACSIMILE AND U.S. MAIL

Mr. John Sullivan  
17769 Sweetbriar Place  
Castro Valley, California 94546

Re: Monitoring Wells, 724 Lewelling, San Leandro

Dear Mr. Sullivan:

With regard to your letter of March 15, 1993, ARCO has not prepared any specific workplan for drilling on your property as required by the Regional Water Quality Control Board's Abatement Order Number 92-147 of December 7, 1992. If given access to your property, our consultants would install the two monitoring wells consistent with standard procedures.

You can contact Mr. John Jang at the Regional Water Quality Control Board (510) 288-1255, who will provide you with instructions on how to prepare the required workplan and perform the assessment.

ARCO is still willing to perform the assessment, which the Abatement Order requires you to perform and you have assumed responsibility for. But, as I have stated and explained many times before, we cannot agree to your demands for indemnification not related to our consultants' activities while performing work on your property. We are also still agreeable to remediating contamination, if any, originating from the ARCO gasoline service station.

If you decide to have ARCO or its consultant RESNA do the required assessment, please notify Mr. Mike Whelan of ARCO at (415) 571-2449.

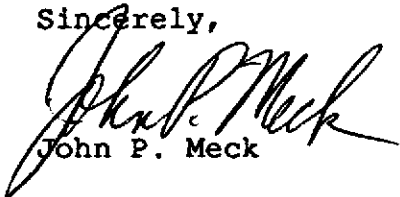
Finally, the Abatement Order required that either a fully executed access agreement between ARCO and yourself or a workplan prepared by you be submitted to the Executive Officer of the Regional Board by December 23, 1992. You informed me in December that you would not agree to any of our submitted access agreements and that you would proceed with the preparation of a workplan.



Mr. John Sullivan  
April 2, 1993  
Page 2

As mentioned above, ARCO is still willing to conduct the required work as long as we can agree to an access agreement which contains reasonable and relevant terms and conditions. Because you have decided not give ARCO access to the property and have decided to assume responsibility for the assessment, ARCO will not reimburse you for those expenses. Also, ARCO will not reimburse you for any penalties imposed on you for your failure to comply with the Abatement Order and perform the required assessment.

Sincerely,



John P. Meck

JPM:vlt

cc: J. Jang, RWQCB  
G. Grimm, RWQCB  
M. Whelan, ARCO, San Mateo

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

March 31, 1993  
0331ggri

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

Subject: Copy of Work Plan Submitted to the Regional Water Quality Control Board  
as Required by Cleanup and Abatement Order No. 92-147.

Mr. Grimm:

Enclosed is a copy of the work plan prepared for 712 Lewelling Boulevard, San Leandro, California, to meet the requirements of the cleanup and abatement order referenced in the subject above. On behalf of ARCO Products Company (ARCO), RESNA Industries Inc. (RESNA) prepared the work plan and submitted copies to the Alameda County Health Care Services Agency and the Regional Water Quality Board (RWQCB) on March 30, 1993.

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

Sincerely,  
RESNA Industries Inc.



Joel Coffman  
Project Manager

cc Cover Letter to: Mr. John Meck ARCO Legal Dept.  
Mr. John Jang, RWQCB  
Mr. Scott Seery, Alameda County Health Care Services Agency  
Mr. Michael Whelan, ARCO Environmental

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

## TRANSMITTAL

TO: Mr. Scott Seery  
Alameda County Health Care Services  
80 Swan Way, Room 200  
Oakland, California 94621

DATE: March 30, 1993  
PROJECT NUMBER: 69034.14  
SUBJECT: ARCO Station 601, 712  
Lewelling Blvd., San Leandro, California.

FROM: Erin McLucas  
TITLE: Staff Geologist

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1	3/30/93	69034.14	Final - Addendum Seven to Work Plan to Evaluate Aquifer Test Data and Feasibility of Remediation Alternatives.

THESE ARE TRANSMITTED as checked below:

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

REMARKS: cc: Mr. Michael Whelan, ARCO Products Company  
Mr. Mike Bakaldin, San Leandro Fire Department  
Mr. John Jang, RWQCB, San Francisco Bay Region  
Mr. Stephen Ritchie, RWQCB, San Francisco Bay Region  
Mr. Joel Coffman, RESNA Industries Inc.

Copies: 1 to RESNA project file no. 69034.14

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

## TRANSMITTAL

TO: Mr. Scott Seery  
Alameda County Health Care Services  
80 Swan Way, Room 200  
Oakland, California 94621

DATE: March 29, 1993  
PROJECT NUMBER: 69034.10  
SUBJECT: ARCO Station 601, 712  
Lewelling Blvd., San Leandro, California.

FROM: Erin McLucas  
TITLE: Staff Geologist

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1	3/29/93	69034.10	Corrected Page 8 of RESNA's Additional Subsurface Investigation Report.

THESE ARE TRANSMITTED as checked below:

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☐ As requested    ☐ Approved as noted    ☐ Submit \_\_\_ copies for distribution  
☐ For approval    ☐ Return for corrections    ☐ Return \_\_\_ corrected prints  
☒ For your files

REMARKS: cc: Mr. H.C. Winsor, ARCO Products Company  
Mr. Michael Whelan, ARCO Products Company  
Mr. John Jang, RWQCB, San Francisco Bay Region  
Mr. Joel Coffman, RESNA Industries Inc.

Copies: 1 to RESNA project file no. 69034.10

DANIEL E. LUNGREN  
Attorney General

State of California  
DEPARTMENT OF JUSTICE



455 GOLDEN GATE AVENUE, SUITE 6200  
SAN FRANCISCO, CA 94102  
(415) 703-1985

FACSIMILE: (415) 703-2592  
(415) 703-1917

March 29, 1993

Mr. John Sullivan  
17760 Sweetbriar Place  
Castro Valley, CA 94546

John P. Meck, Senior Counsel  
ARCO Products Legal Office  
P.O. Box 2570  
Los Angeles, CA 90051

RE: Regional Water Quality Control Board, Cleanup and Abatement Order No. 92-147; 724 Lewelling Blvd., San Leandro, CA.

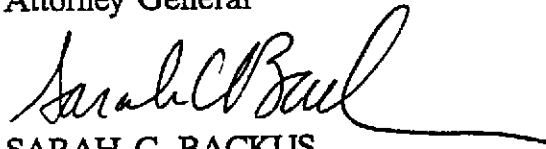
Dear Gentlemen:

The California Regional Water Quality Control Board, San Francisco Bay Region, has referred this matter to this office for enforcement of Cleanup and Abatement Order No. 92-147. Prior to initiating suit, I believe it may be helpful for the parties to meet in my office in San Francisco. I suggest sometime during the week of April 26, 1993.


I will be in touch within the next two weeks to set this up.

Sincerely,

DANIEL E. LUNGREN  
Attorney General

  
SARAH C. BACKUS  
Deputy Attorney General

cc: Gary Grimm

MAR 30 1993 

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

March 29, 1993  
69034.10

Mr. Scott O. Seery  
Alameda County Health Care Services  
Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, California 94621

Subject: Correction to RESNA Additional Subsurface Investigation Report at  
ARCO Station 601, 712 Lewelling Boulevard, San Leandro, California.

Mr. Seery:

On page 8 of RESNA's Additional Subsurface Investigation Report (RESNA, March 3, 1993) the concentrations of BNA's were inadvertently reported in parts per million. The correct concentrations are reported in parts per billion.

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

Sincerely,  
RESNA Industries



Erin McLucas  
Staff Geologist

Attachment: Corrected Page 8 of RESNA's Additional Subsurface Investigation Report

cc: H.C. Winsor, ARCO Products Company  
Michael Whelan, ARCO Products Company  
John Jang, California Regional Water Quality Control Board  
Joel Coffman, RESNA Industries Inc.

ARCO #601

3/26/93

712 Lewelling

MEETING WITH:

John Jang (RWQCB)

Mike Whelan (ARCO)

Joel Coffman (RESNA)

Scott Seery (ACDEH)

MW-15 installed within last 2 weeks

initial soil/footer analyses - ND

Pumping test

- initial tests suggest low sustainable pump rates ( $< 0.5$  gpm);  $< 10'$  capture zone

ARCO/RESNA suggests that the contaminants may  
very well be contained significantly by the fine grained  
sediments

John Sullivan

177769 Sweetbriar Place

C.V. 94546

re: 724 Lewelling

∴ went over elements of case review (attached)

## NEEDS:

- ✓ ① Analyze GW from MW-1 when no FP noted (so that X-contamination/dilution/interference factor resolved)  
[Note that no FP was observed during July + August, and no samples collected; yet, when FP discovered during Sept., claim was made that sample wasn't collected because of FP.]
- ✓ ② Fence diagram to integrate Levelling Blvd borings with previous site work: is there really a deeper aquifer, or just inter fingering sediments which are all hydraulically connected? Substantiate discontinuous
- ✓ ③ How much longer will the "design and preparation of plans/specs for the GW remediation system" take?  
(depends on result of Sullivan's well data)
- ✓ ④ MW-1, -7, -8 <sup>continue to</sup> shall be analyzed for W.O. constituents  
418.1 should not be used - not specific to O+G
- ✓ ⑤ Samples from recent borings, ~~240~~ @ 25' BG, require STLC/TCLP analyses for Pb, Zn; <sup>240 2600</sup>  
~~240~~ @ 25' BG for Cr; <sup>50</sup> ~~240~~ @ ~~25~~ 5' BG for Cr <sup>50+50</sup>
- ⑥ Boring B-20, 21, 22 clearly establish
- \* ~~⑦ Clarify SVOC analyses~~
- ⑧



17769 Sweetbriar Place  
Castro Valley, California 94546  
510-538-9496  
March 15, 1993

MAR 18 1993

John P. Meck  
A.R.C.O. Products Legal Department  
1055 West 7th Street, Box 2570  
Los Angeles, California 90051

RE: Monitoring Wells, 724 Lewelling, San Leandro

Dear Mr. Meck:

In the absense of your willingness to cooperate, I am compelled to arrange for drilling, etc. Since all expenses will ultimately be borne by A.R.C.O., it is appropriate that you should have input.

Presumably, A.R.C.O. has completed a study and formulated a work plan relative to bore size and depth of wells, etc. Rather than reinventing the wheel with resultant further expense to your Company, it would be appropriate to furnish me with the data, provided it has been certified and approved by interested State and Local Government Agencies.

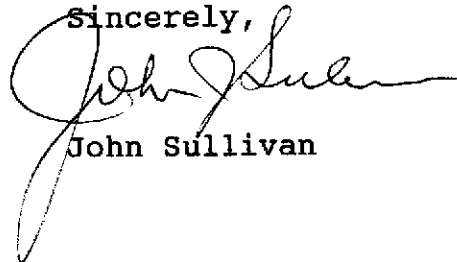
It is acknowledged that your Company has undertaken several well drilling projects and that costs may run much higher if work is performed by firms hired by me who may not be accustomed to such operations.

For the record, I am still encouraging A.R.C.O. to undertake the drilling operations provided the Access Agreement is executed to my specifications, as earlier outlined.

To avoid any penalties, which would also be a liability to A.R.C.O., it is important to move without delay on this matter.

I await your reply.

Sincerely,



John Sullivan

JS:cr/JS0011.JS/02

cc: Gary Grimm, Legal Department, California Water Control Board  
Michael Bakaldin, Hazardous Waste Department, San Leandro Fire  
Department

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

## TRANSMITTAL

**TO:** Mr. Scott Seery  
Alameda County Health Care Services  
80 Swan Way, Room 200  
Oakland, California 94621

**DATE:** March 12, 1993  
**PROJECT NUMBER:** 69034.13  
**SUBJECT:** ARCO Station 601,  
712 Lewelling Blvd., San Leandro,  
California.

**FROM:** Erin McLucas  
**TITLE:** Staff Geologist

**WE ARE SENDING YOU:**

COPIES	DATED	NO.	DESCRIPTION
1	3/12/93	69034.13	Final - Addendum Six to Work Plan for Evaluation of Interim Remediation Alternatives at the above subject site.

**THESE ARE TRANSMITTED** as checked below:

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

**REMARKS:** cc: Mr. Michael Whelan, ARCO Products Company  
Mr. Mike Bakaldin, San Leandro Fire Department  
Mr. John Nelson, City of San Leandro  
Mr. John Jang, RWQCB, San Francisco Bay Region  
Mr. Joel Coffman, RESNA Industries Inc.

Copies: 1 to RESNA project file no. 69034.13

Additional Subsurface Investigation  
ARCO Station 601, San Leandro, California

March 3, 1993  
69034.10

just above groundwater. Results of laboratory testing of this sample indicated a concentration of 87 ppm TPHg, and concentrations of BTEX ranging from nondetectable to 37 ppm.

Laboratory analytical results from borings B-20 through B-22 indicated the greatest hydrocarbon concentrations to be at a depth of approximately 7½ feet in these three borings. Concentrations of TPHg in samples from this depth ranged from 30 to 760 ppm; BTEX from nondetectable to 43 ppm; TOG from 82 to 1,200 ppm; lead from 5.4 ppm to 240 ppm; and BNAs from 120 ppb to 7,100 ppb. Samples collected from borings B-20 through B-22 at depths of approximately 4½ and 16½ feet had results which indicated lower concentrations of TPHg, BTEX, TOG, and metals, and nondetectable BNAs.

#### Groundwater Samples

Groundwater sampling and laboratory analyses were accomplished during previous quarterly groundwater monitoring. Groundwater analyses performed to evaluate the extent of waste-oil constituents in the groundwater were performed on monitoring well MW-8, located downgradient of the former waste-oil UST, rather than on well MW-1 located next to the former waste-oil UST due to floating product in well MW-1 (RESNA, September 11, 1992). Cumulative results of laboratory analyses of ground water samples are presented in Table 3. Maps depicting concentrations of TPHg and benzene in groundwater are reproduced here as Plates 15 and 16.

#### Stockpiled Soil Cuttings

Results of laboratory analyses of the composited soil samples from the August 7, 1992 stockpile indicated nondetectable TPHg (less than 1.0 ppm) and BTEX (less than 0.005 ppm). This soil stockpile was removed by ARCO's contractor, Dillard Trucking of Byron, California, on August 25, 1992. Results of analyses of composite soil samples from the October 12, 1992 stockpile indicated concentrations of 33 ppm TPHg and 0.28 to 1.6 ppm BTEX; concentrations of metals by TCLP and lead by STLC below regulatory levels; and a pH of 8.2 and a flashpoint of >100 degrees C. This soil stockpile was disposed of by Dillard Trucking on October 28, 1992. Laboratory analytical results of the November 9,

Memorandum

To : Gary Grimm  
Regional Water Quality Control Board  
2101 Webster St., Suite 500  
Oakland, CA 94612

Date : March 2, 1993

Telephone: CALNET ( 8 ) 593-1308  
(415) 703-1308  
FACSIMILE (415) 703-2592

From : Charles W. Getz, IV *CWG*  
Supervising Deputy Attorney General  
Natural Resources Law Section  
Office of the Attorney General - San Francisco

*John J. Sullivan*  
MAR 03 1993  
receptionist 8-593-2484

Subject: Arco Products Company and John J. Sullivan  
Violation of Cleanup and Abatement Order No. 92-147

Thank you for your memo of February 25. I have also reviewed the February 8 transmittal letter from Steven Ritchie to Walt Wunderlich. This case has been assigned to Sarah Backus, although on a permanent basis, she may not be able to handle this matter. As you know, we are heavily impacted in this section due to the budgetary constraints. Our ability to handle plaintiff-oriented work is severely restrained accordingly. The realities of litigation require that defense work be given first priority simply because such work is not under our exclusive control. Consequently, plaintiff cases are handled as quickly as resources allow.

I greatly appreciate the clarification concerning the Arco cases. With two cases involving the same entity, it can be confusing. You are quite correct that Sarah was very successful in resolving the first Arco case and I will make sure that she updates you on the status of that case.

Sarah is one of our best lawyers, but she is heavily committed to other cases, and her time is severely impacted. I am sure that Sarah will give this matter her full attention as soon as humanly possible and I know that she will be in touch you concerning this case.

Thank you for your memoranda.

CWG:mdm

cc: Sarah Backus

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

## TRANSMITTAL

TO: Mr. Scott Seery  
Alameda County Health Care Services  
80 Swan Way, Room 200  
Oakland, California 94621

DATE: March 1, 1993  
PROJECT NUMBER: 69034.12  
SUBJECT: ARCO Station 601, 712  
Lewelling Boulevard, San Leandro,  
California

FROM: Erin McLucas  
TITLE: Staff Geologist

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1	3/1/93	69034.12	Final--Letter Report Quarterly Groundwater Monitoring Fourth Quarter 1992 at ARCO Station 601, 712 Lewelling Boulevard, San Leandro, 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

REMARKS: cc: Mr. Michael Whelan, ARCO Products Company  
Mr. John Jang, RWQCB, San Francisco Bay Region  
Mr. Guy Telham, San Leandro Fire Department  
Mr. Joel Coffman, RESNA Industries Inc.

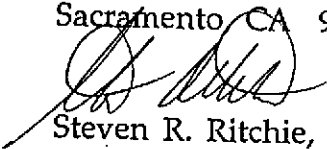
Copies: 1 to RESNA project file no. 69034.12

State of California

# Memorandum

To: Walter Wunderlich  
Office of the Attorney General  
1515 K Street  
Sacramento, CA 95814

Date: February 8, 1993

From:   
Steven R. Ritchie, Executive Officer  
REGIONAL WATER QUALITY CONTROL BOARD  
San Francisco Bay Region  
2101 Webster St., Suite 500  
Oakland, CA 94612  
TEL: 510-286-0516 FAX: 510-286-1380  
CALNET: 541-0516 CALNET FAX: 541-1380

Subject: Violation of Cleanup and Abatement Order No. 92-147  
Arco Products Company and John J. Sullivan

On December 7, 1992, I issued the above cleanup and abatement order requiring an access agreement enabling Arco to do certain groundwater monitoring work on the Sullivan property, or in the alternative, for Sullivan to do the workplan himself. This work is necessary to investigate groundwater contamination beneath the Sullivan property, probably originating at the neighboring Arco site. Recent information indicates that the Sullivan property may also be a source of contamination.

The December 23rd and January 29th tasks and time schedule have not been met. Thus, the order is being violated. Complete off-site investigation of the Arco contamination has been held up for about a year due to the inability of Arco and Sullivan to reach agreement on providing access to Arco to install monitoring wells on the downgradient Sullivan property. Sullivan has also refused to do the monitoring himself. Thus, this investigation and cleanup is at an impasse while the contamination plume continues to migrate.

In view of the above, please take all legal action, including injunctive relief, necessary to enforce Order No. 92-147. For further information, please contact John Jang (8) 541-0554 and Gary Grimm (8) 541-0889.

## Attachments

cc: William Attwater, OCC  
Charles Getz, Deputy AG, SF

bcc: DDD, LF, ~~MTJ~~

CALIF. REG. WATER  
JAN 18 1993  
QLTY. CONTROL BOARD

17760 Sweetbriar Place  
Castro Valley  
Cal 94546  
1-15-93.

Calif Regional Water Board.  
2101 Webster St. Suite 500.

Oakland. Ca 94612. Attn Gary Grimm.  
Re. A.R.C.O. Station Sewelling San Leandro.

Dear Mr Grimm,

In pursuance of a resolution to this matter of the access agreement I have brought this matter before San Leandro City Council. Michael Bakaldin Hazardous Materials Coordinator, San Leandro Fire Dept. has spoken with me and he is attempting to reach your office.

Meantime the time permitted to reach an agreement has passed. Please consider an extension of time so that this matter could be worked out.

Sincerely

John Sullivan  
Phone 510-538-9496

93 JAN 15 11 51 00

January 13, 1993

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

**ARCO Products Company Facilities in Alameda County**

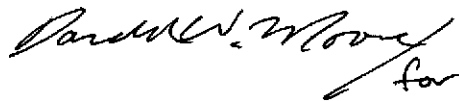
Dear Ms. Hugo:

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

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

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

Sincerely yours,



Kyle A. Christie  
Environmental Engineer

Attachments: ARCO Facility QSRs





Legal  
1055 West Seventh Street  
P.O. Box 2570  
Los Angeles, California 90051-0570  
Telephone 213 486 1873

John P. Meck  
Senior Counsel

CALIFORNIA REGIONAL WATER  
JAN 13 1993  
QUALITY CONTROL BOARD

January 11, 1993

VIA FACSIMILE

Gary J. Grimm  
Legal Counsel  
California Regional Water Quality Control Board  
San Francisco Bay Region  
2101 Webster Street, Suite 500  
Oakland, California 94612

Re: Cleanup and Abatement Order (CAO) No. 92-147

Dear Mr. Grimm:

This is in response to your letter of January 4, 1993 concerning compliance with this CAO.

As I indicated to you in my December 31, 1993 letter, Mr. Sullivan rejected all previously submitted access agreements on December 24, 1992 and informed me that he would proceed with the preparation of a workplan as required by this CAO. Your January 4th letter would indicate that he has not yet done so and has not informed you when it will be submitted.

There is nothing more that ARCO can do under this CAO. We have submitted at least two signed access agreements to Mr. Sullivan for signature (December 16 and 23, 1992). In each case, we attempted to respond to Mr. Sullivan's requests even though his requests included issues not relevant to the access agreement. Specifically, we have attempted to respond to his demand that the access agreement include indemnification provisions dealing with contamination, even though there is currently no known contamination on the property. We have agreed to respond to contamination, if any, which ARCO caused or which originated from the ARCO station. Beyond that, ARCO cannot agree to clean up contamination caused by others. The prior commercial use of Mr. Sullivan's property certainly requires that we proceed with caution in this regard.

For approximately one year, ARCO has been ready, willing and able to prepare the needed workplan and install monitoring wells on Mr. Sullivan's property. Nothing has changed in this regard.

Further, ARCO is still willing to reimburse the Regional Board if it elects to proceed under California Health and Safety Code Sections 25185.5 and 25289, and have a contractor prepare the workplan and install the monitoring wells.

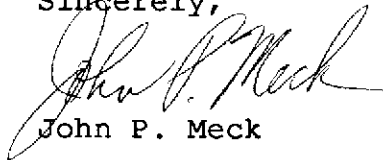
Gary J. Grimm  
January 11, 1993  
2

If Mr. Sullivan wishes to have our contractor prepare the workplan and install the monitoring wells, ARCO is certainly agreeable to allowing our contractor do the work. ARCO will certainly pay for the cost of doing such work.

Next, ARCO is evaluating the possibility of obtaining the groundwater data by installing a well or wells adjacent to Mr. Sullivan's property. If we feel that these adjacent well(s) will provide the data needed to respond to the Board's Order, we will confer with the Board's staff and seek their concurrence.

In short, Mr. Sullivan continues to refuse to sign an access agreement with ARCO and has assumed responsibility for preparing a workplan and installing monitoring wells. ARCO has therefore no further obligations under the CAO. Nonetheless, ARCO will continue to explore all possible options and work with the Board's staff to complete the site assessment. In this regard, we certainly welcome any suggestions which you may have.

Sincerely,



John P. Meck

JPM:cmf

## CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

2101 WEBSTER STREET, SUITE 500  
OAKLAND, CA 94612

TEL: (510) 286-1255

FAX: (510) 286-1380



January 4, 1993

Mr. John P. Meck  
Arco Products Legal Department  
1055 W. 7th Street  
P. O. Box 2570  
Los Angeles, CA 90051-0570

Mr. John J. Sullivan  
17760 Sweetbriar Place  
Castro Valley, Ca 94546

Subject: Cleanup and Abatement Order (CAO) No. 92-147

Gentlemen:

On December 7, 1992, Mr. Ritchie on behalf of the Board issued the above order requiring submission by December 23, 1992, of a fully executed agreement or Mr. Sullivan's workplan to meet the January 29, 1993 commence installation deadline. I have received your telephone messages, Arco's letters dated December 22nd and 31st, and Mr. Sullivan's letter dated December 26th.

It is my conclusion that compliance with the December 23rd deadline has still not been achieved and violation of the January 29th deadline is probable. Thus, you are in violation of the Board's order. Unless a fully executed access agreement or workplan is submitted by January 11, 1993, which assures that well installation will commence by January 29th I will recommend that Mr. Ritchie immediately refer this matter to the Attorney General to seek injunctive relief and appropriate civil monetary remedies.

Sincerely,

A handwritten signature in dark ink, appearing to read "Gary J. Grimm".

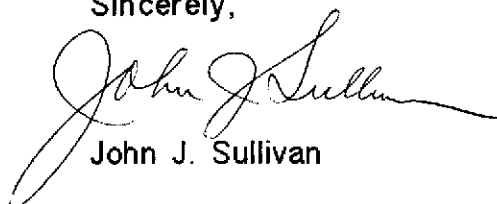
Gary J. Grimm  
Legal Counsel

bc: SRR, JMJ

It is not now, nor has it at any time been, my intention to file a frivolous or unwarranted claim. However, I am compelled to honor my responsibility to protect the interests of the investors and the welfare of the residents of Chateau Manor Apartments.

I await directions from your office.

Sincerely,

A handwritten signature in cursive script, reading "John J. Sullivan". The signature is fluid and extends to the right.

John J. Sullivan

Enclosures: Exhibits A-F.

UST LEAK      Date of Last      Current  
SITE UPDATE      Review/Update      September 25, 1992      Date      December 28, 1992

#### SITE IDENTIFICATION

Name      ARCO Service Station 601      Case No. \_\_\_\_\_  
Address      712 Lewelling Boulevard  
                 Street Number      Street  
                 San Leandro      City      ZIP Code  
County      Alameda      Substance      Gasoline  
Local Agency      Alameda County Health Care Services Agency  
Regional Board      Regional Water Quality Control Board - San Francisco Bay Area

LEAD STAFF PERSON      ACHCSA-Scott Seery

#### CASE TYPE

\_\_\_\_\_ Undetermined      \_\_\_\_\_ Soil Only        X   Groundwater      \_\_\_\_\_ Drinking Water

#### STATUS (Date Indicates when case moved into status)

_____ No Action Taken	Date	_____
<u>  X  </u> Leak Being Confirmed	Date	5/89
<u>  X  </u> Preliminary Site Assessment Workplan Submitted	Date	11/89
<u>  X  </u> Preliminary Site Assessment Underway	Date	6/90
<u>  X  </u> Pollution Characterization	Date	3/91
<u>  X  </u> Remediation Plan	Date	11/91
_____ Remedial Action Underway	Date	_____
_____ Post Remedial Action Monitoring	Date	_____
_____ Case Referred to Regional Board (ACHCSA)	Date	_____
_____ Case Referred to Dept. of Health Services	Date	_____
_____ Case Closed	Date	_____

#### COMMENTS/MILESTONES:

USTs replaced and 550 cubic yards contaminated soil removed from site in January 1990 during tank replacement. Monthly bailing of product from wells (as needed) is ongoing. Submitted a proposal for an additional subsurface investigation and to design and permit on interim soil and groundwater remediation system on 11/11/91. Installed a Homer EZY floating product skimmer in MW-3 on 12/24/91. Submitted a remedial action plan for interim groundwater remediation on 3/6/92. Submitted a wastewater discharge permit application on 3/10/92. Initiated design of interim groundwater system. Installed one offsite well in August 1992.

#### RECENT ACTIVITIES/FINDINGS:

Last Quarter Activities: Perform quarterly monitoring and checked EZY skimmers in well MW-3. Continue with design of groundwater system. Gained offsite access from one property owner, permitted, drilled and installed, and developed one offsite well. Submitted Addendum Five to Work Plan to regulatory agencies. Awaiting offsite access for installation of other wells.

Current Quarter Activities: Performed quarterly monitoring, and checked EZY skimmers in well MW-3. Gained offsite access for the City of San Leandro, permitted, drilled and installed, and developed one offsite well. Submitted Work Plan to regulatory agencies, gained offsite access from the City of San Leandro, permitted drilled and sampled 10 soil borings along Lewelling Blvd. Awaiting offsite access for installation of other wells. Continue to design & permit interim soil & groundwater remediation systems.

#### ANTICIPATED ACTIVITIES:

Next Quarter Activities: Continue groundwater monitoring, complete design of groundwater treatment system and bid package for construction of remediation system and prepare quarterly groundwater monitoring report. Submit Limited Offsite Subsurface Investigation to regulatory agencies. Submit Additional Onsite & Limited Offsite Subsurface Report to regulatory agencies.

Continue to attempt to gain offsite access for additional offsite well installations.

Reports documenting the site's history are listed on page 2 & 3.

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Letter Report on Quarterly Groundwater Monitoring for Third Quarter 1992 69034.06	12/7/92	RESNA
Work Plan for Offsite Subsurface Investigation 69034.11	10/21/92	RESNA
Letter Report on Quarterly Groundwater Monitoring for Second Quarter 1992 69034.06	9/24/92	RESNA
Addendum Five to Work Plan 69034.10	9/14/92	RESNA
Letter Report Quarterly Groundwater Monitoring for First Quarter 1992 69034.06	5/5/92	RESNA
Letter Report Quarterly Groundwater Monitoring for Fourth Quarter 1991 69034.06	4/6/92	RESNA
Special Wastewater Discharge Permit Application 69034.07	3/10/92	RESNA
Addendum Four to Workplan for Interim Groundwater Remediation 69034.07	3/6/92	RESNA
Third Quarter 1991 Groundwater Monitoring Report at ARCO Station 601 69034.03	11/22/91	RESNA
Subsurface Environmental Assessment and Vapor Extraction System at ARCO Station 601 69034.04	10/21/91	RESNA
Quarterly Groundwater Monitoring Second Quarter 1991 at ARCO Station 601 69034.03	7/2/91	RESNA
Site Safety Plan, Subsurface Environmental Investigation at ARCO Service Station 601, RESNA/AGS Report 69034.04S	5/21/91	RESNA/Applied GeoSystems
Addendum Two to Work Plan 69034.05	5/15/91	RESNA/Applied GeoSystems
Quarterly Groundwater Monitoring First Quarter 1991 at ARCO Station 601 69034.03	3/24/91	RESNA
Work Plan for Subsurface Investigation and Remediation at ARCO Station 601, RESNA/AGS Report 69034-4W	3/21/91	RESNA
Addendum One to Work Plan at ARCO Station 601, RESNA Report 69034.04	3/21/91	RESNA/Applied GeoSystems
Subsurface Environmental Assessment at ARCO Station 601, RESNA/AGS Report 69034-2	12/14/90	RESNA/Applied GeoSystems
Quarterly Groundwater Monitoring Forth Quarter 1990 at ARCO 601 69034.03	11/30/90	Applied GeoSystems

REPORTDATECONSULTANT

Tank Replacement Report,  
ARCO Service Station #601,  
San Leandro, California,  
GSI Report 7918-2

6/29/90

GeoStrategies, Inc.

Proposed Scope of Work,  
ARCO Service Station #601,  
San Leandro, California,  
GSI Report 7918-2

11/14/89

GeoStrategies, Inc.

Limited Environmental Site Assessment  
at ARCO Service Station No. 601,  
San Leandro, California,  
AGS Report 69034-1

11/9/89

Applied GeoSystems



Legal  
1055 West Seventh Street  
P.O. Box 2570  
Los Angeles, California 90051-0570  
Telephone 213 486 1873

John P. Meck  
Senior Counsel

CALIF. REG. WATER  
JAN 06 1993  
QLTY. CONTROL BOARD

December 31, 1992

Mr. Gary Grimm  
CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
San Francisco Bay Region  
2101 Webster Street, Suite 500  
Oakland, CA 94612

Sent Via Facsimile  
(510) 286-1380

Dear Mr. Grimm:

**Re: Cleanup and Abatement Order (CAO) No. 92-147**

Mr. John Sullivan spoke to me by telephone on January 24th to inform me that he was rejecting ARCO's latest effort (my letter to him of 12/23/92) to reach agreement concerning ARCO's access to the property located at 724 Lewelling Blvd., San Leandro, California. He stated that, if ARCO did not accept his terms and conditions as reflected in his December 21, 1992 facsimile by December 29, 1992, he would retain a consultant to prepare a workplan in response to the Board's Cleanup and Abatement Order, Number 92-147.

It is unclear why ARCO's latest efforts to reach agreement on access is not acceptable to Mr. Sullivan. While we feel that liability issues have unduly complicated the negotiations concerning the access agreement, we are still willing to agree to remediate any contamination originating from the nearby ARCO gasoline service station and consider damage claims, if any, submitted by Mr. Sullivan. However, it is apparent that Mr. Sullivan is still insisting on more than this before agreeing to ARCO's access to the property.

We are certainly open to any suggestions which you may have with regard to reaching an agreement with Mr. Sullivan if Mr. Sullivan decides to change his mind.

Sincerely,

John P. Meck

JPM:vlt



17760 Sweetbriar Place  
Castro Valley, CA 94546

December 26, 1992

California Regional Water Board  
2101 Webster Street Suite 500  
Oakland, CA 94612

CALIF. REG. WATER

DEC 24 1992

QLTY. CONTROL BOARD

Attn.: Gary Grimm

Re: A.R.C.O. Monitoring Wells (724 Lewelling Boulevard Access Agreement)

Dear Mr. Grimm:

Following the issuance, by your office, of C.A.O. Number 92-147, I felt pressured to retreat from my demands that A.R.C.O. should commit by signed contract to accept full responsibility for any loss of income and/or loss of value resulting from the leakage of contamination to my property from A.R.C.O. property. Indeed I feel as convinced now as before that my demands are valid but, in fairness to your office, I did not want to impede progress. I also felt that A.R.C.O., by having signed the many statements during the negotiations, had in fact acknowledged the above mentioned responsibility.

To my surprise, the blank contract dated December 16, 1992 that arrived from A.R.C.O. had alterations made to Par. 3-10 whereby the intent of those several signed commitments would be rendered null and void. I contacted Mr. Meck at A.R.C.O. and asked that the language be either changed back to that which A.R.C.O. had previously presented (Exhibit A, attached) or changed according to my suggestions (Exhibit B, attached).

Mr. Meck agreed to refine the language but clearly the intent was that any earlier correspondence or commitments would be excluded. To avoid any misunderstandings I highlighted the several commitments and acknowledgements from A.R.C.O. (my letter dated December 21, 1992, Exhibit C).

Through the attached letter from John Meck of A.R.C.O. dated December 22, 1992 (Exhibit D, attached) it became clear that A.R.C.O. no longer intended to live up to those earlier negotiated commitments. For my part I am willing to agree to the access agreement within Par 3-10 worded as shown in the attached (Exhibit E). My alternate wording left margin is similar to that which A.R.C.O. previously agreed to according to the correspondence from John Meck dated September 3, 1992 (Exhibit F, attached).

UST LEAK      Date of Last      Current  
SITE UPDATE      Review/Update      September 25, 1992      Date      December 28, 1992

#### SITE IDENTIFICATION

Name      ARCO Service Station 601      Case No. \_\_\_\_\_  
Address      712 Lewelling Boulevard  
                 Street Number      Street  
                 San Leandro      City      ZIP Code  
County      Alameda      Substance      Gasoline  
Local Agency      Alameda County Health Care Services Agency  
Regional Board      Regional Water Quality Control Board - San Francisco Bay Area

LEAD STAFF PERSON      ACHCSA-Scott Seery

#### CASE TYPE

\_\_\_\_\_ Undetermined      \_\_\_\_\_ Soil Only        X   Groundwater      \_\_\_\_\_ Drinking Water

#### STATUS (Date indicates when case moved into status)

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<u>  X  </u> Preliminary Site Assessment Workplan Submitted	Date	6/90
<u>  X  </u> Preliminary Site Assessment Underway	Date	3/91
<u>  X  </u> Pollution Characterization	Date	11/91
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_____ Remedial Action Underway	Date	
_____ Post Remedial Action Monitoring	Date	
_____ Case Referred to Regional Board (ACHCSA)	Date	
_____ Case Referred to Dept. of Health Services	Date	
_____ Case Closed	Date	

#### COMMENTS/MILESTONES:

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#### ANTICIPATED ACTIVITIES:

Next Quarter Activities: Continue groundwater monitoring, complete design of groundwater treatment system and bid package for construction of remediation system and prepare quarterly groundwater monitoring report. Submit Limited Offsite Subsurface Investigation to regulatory agencies. Submit Additional Onsite & Limited Offsite Subsurface Report to regulatory agencies.

Continue to attempt to gain offsite access for additional offsite well installations.

Reports documenting the site's history are listed on page 2 & 3.

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REPORT

Tank Replacement Report,  
ARCO Service Station #601,  
San Leandro, California,  
GSI Report 7918-2

Proposed Scope of Work,  
ARCO Service Station #601,  
San Leandro, California,  
GSI Report 7918-2

Limited Environmental Site Assessment  
at ARCO Service Station No. 601,  
San Leandro, California,  
AGS Report 69034-1

DATE

6/29/90

11/14/89

11/9/89

CONSULTANT

GeoStrategies, Inc.

GeoStrategies, Inc.

Applied GeoSystems



Legal  
1055 West Seventh Street  
P.O. Box 2570  
Los Angeles, California 90051-0570  
Telephone 213 486 1873

John P. Meck  
Senior Counsel

Exhibit D

December 22, 1992

SENT VIA UPS

Mr. John Sullivan  
17760 Sweetbriar Place  
Castro Valley, California 94546

Re: ARCO Monitoring Wells, 724 Lewelling, San Leandro, CA.  
Arco Service Station #601

Dear Mr. Sullivan:

This is in response to your letter of December 21, 1992 and your rejection of the alternative wording submitted to you in my facsimile of December 21, 1992. Specifically, the sentence in question reads as follows:

"Neither licensee's acceptance of this clean-up responsibility nor any actions or documents in furtherance of such clean-up by licensee shall constitute an admission of liability for any purpose."

This sentence does not contradict the prior sentence wherein ARCO acknowledges responsibility for removal of such contamination as and to the extent required by applicable law.

The meaning of this sentence is exactly the same as in the prior versions. While ARCO is willing to accept responsibility at this time for any contamination originating from the ARCO property and is willing to remediate such contamination to the extent required by law or the regulatory agencies, ARCO is not willing to allow you or any other person to use this acceptance of responsibility or any action, or document in furtherance of it as an admission of liability for any purpose, including litigation.

If you intend to use ARCO's acceptance of this clean-up responsibility or any actions or documents in furtherance of it as an admission against ARCO, for any purpose at any time in the future, then ARCO is unwilling to enter into any provision currently included in paragraph 3.10.

Exhibit D

Mr. John Sullivan  
December 22, 1992  
Page Two

While I am willing to consider any alternative wording in order to provide a clearer understanding of ARCO's intent, please understand that ARCO is unwilling to agree to paragraph 3.10 if such agreement does not include this provision negating any admission of liability.

Perhaps your confusion stems from ARCO's acceptance of responsibility in one sentence and ARCO's unwillingness to admit to liability in the second sentence. These are two separate legal concepts which, in effect, are not inconsistent. The first sentence means that ARCO will make sure that if ARCO is responsible for the contamination, the clean-up of it is handled by ARCO according to regulatory agency requirements. The second sentence simply says that our willingness to do so and any actions or documents in furtherance of it cannot be used by you or anyone else in a lawsuit or for any other purpose.

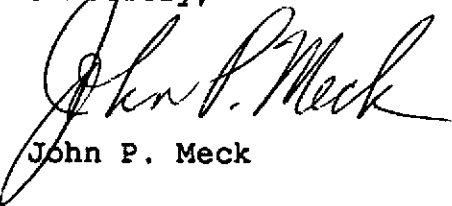
With regard to the additional wording that you wanted to include in paragraph 3.10, I rewrote your request consistent with our telephone conversation. You are now asking that you be given up to one year from the date of discovery for submitting a claim to us that you may have. The purpose of requiring that all claims be submitted to ARCO within one year from the date of discovery of contamination was to put some time limit on the submittal of these types of claims. You have now in effect asked for an unlimited or open-ended time period. Since this claim process is discretionary on your part and does not, as indicated at the end of paragraph 3.10, create any rights or remedies on your part or any third party, including extending any applicable statute of limitations, ARCO is willing to accept a modification of this provision concerning time limits for submittal of these claims on the condition that the alternative wording dealing with the denial of admission of liability, as discussed above, is accepted by you.

Enclosed is a revised version of this Access Agreement incorporating these revised changes. It is signed by an ARCO representative. If it is now acceptable to you, you should sign it and deliver it on December 23, 1992, to Mr. Gary Grimm at the Region Water Quality Control Board. Otherwise, Mr. Grimm is expecting a work plan from you relative to the assessment of your property.

Mr. John Sullivan  
December 22, 1992  
Page Three

If you have any further questions, please call me.

Sincerely,

A handwritten signature in cursive script, appearing to read "John P. Meck". The signature is written in dark ink and is positioned above the printed name "John P. Meck".

John P. Meck

JPM:vlt

Enclosures

**LICENSE AGREEMENT  
BETWEEN JOHN SULLIVAN  
AND ARCO PRODUCTS COMPANY**

This license Agreement is made on the 22 day of December, 1992 between John Sullivan, private owner, hereinafter referred to as "licensor" and ARCO Products Company, a division of Atlantic Richfield Company, hereinafter referred to as "licensee".

**1. RECITALS**

- 1.1 Licensor owns certain real property (the "Property") at 724 Lewelling Boulevard, San Leandro, in the state of California.
- 1.2 Licensee desires to drill on a portion of the Property two (2) groundwater wells as depicted on Plate 2, attached hereto and made part hereof and otherwise comply, to the extent required of licensee, with requirements of California Regional Water Quality Control Board's Cleanup and Abatement Order No. 92-147.
- 1.3 The parties desire to enter into this License Agreement to allow licensee to install said groundwater wells on the Property.
- 1.4 Neither this License Agreement nor any of the terms hereof shall be construed as an admission of liability by Licensee for any contamination, alleged or otherwise, on the licensed area or any adjoining property.

**2. AGREEMENT**

Now, therefore, in consideration of the mutual covenants and agreements herein contained, the parties do hereby covenant and agree as follows:

**3. TERMS**

- 3.1 Licensee may drill, use and backfill at its sole cost and expense, two (2) groundwater wells on the Property located at 724 Lewelling Boulevard, San Leandro, California and otherwise comply, to the extent required of licensee, with the requirements of California Regional Water Quality Control Board's "Cleanup and Abatement Order No. 92-147."



- 3.2 Said groundwater wells shall be completed as shown on Plate 2 attached hereto and made part hereof.
- 3.3 Licensee, upon prior notification to licensor, may enter the Property to monitor and sample the two (2) groundwater wells.
- 3.4 Licensee agrees not to permit any liens to stand against the Property for work done or materials furnished to licensee, and licensee agrees to indemnify and hold licensor harmless for same.
- 3.5 If the surface of the licensed area or the surface of licensor's adjacent real property or improvements thereon shall be disturbed by the emplacement or the backfill of licensee's groundwater wells, then said surface or improvements shall be promptly restored by licensee to their condition just prior to such disturbance.
- 3.6 Licensee shall, after completion, backfill said borings pursuant to this License Agreement, or after the groundwater wells are no longer useful to the investigation, destroy the groundwater wells according to the standards set forth by the appropriate State agency.
- 3.7 Licensee agrees to indemnify, defend, and save licensor harmless from all liability, damage, expense, causes of action, suits, claims, or judgments resulting from injuries to person or damage to property on the licensed area or on adjoining streets and sidewalks which arise out of the act, failure to act, or negligence of licensee, its agents, employees, invitees, or guests in performing work under this License Agreement.
- 3.8 This License Agreement shall not constitute a deed or a grant of easement and shall not be deemed irrevocable or an easement by virtue of the work performed under or by reason of this license.
- 3.9 This License Agreement may be terminated by either party upon thirty (30) days prior to written notice. Termination does not release Licensor or Licensee from their respective, continuing obligations as provided for in this Agreement.
- 3.10 It is acknowledged that as of this date, no contamination has been detected at, in, on, or under the Property. If it is determined that gasoline contamination from the ARCO property has migrated to the Property, then licensee hereby acknowledges

responsibility for the removal of such contamination as and to the extent required by applicable law. Neither licensee's acceptance of this clean-up responsibility nor any actions or documents in furtherance of such clean-up by licensee shall constitute an admission of liability for any purpose. Further, Licensors may submit to Licensee any claim for loss of income or loss of value suffered by Licensors as a direct result of such contamination. Any such claim must be submitted by licensor to licensee within one year from the date of discovery of such contamination by licensor or within 30 days from the date of discovery of such claim by licensor or within 30 days from the date of receipt of a written claim from a third party. In submitting any such claim to licensee, licensor shall provide all necessary information, as requested by licensee, substantiating such claim. Upon receipt of any such claim and substantiating proof, licensee will consider such claim for payment. Neither the submission of such claim nor any consideration of such claim by licensee shall create or be construed as creating any rights or remedies on the part of licensor or liability on the part of the licensee as to such claims, but is intended solely for the purpose of resolving differences without resorting to litigation, arbitration or other formal means of dispute resolution.

IN WITNESS WHEREOF, the parties have executed this License Agreement as of the day and year first above written.

ARCO PRODUCTS COMPANY

JOHN SULLIVAN

By: *[Signature]*

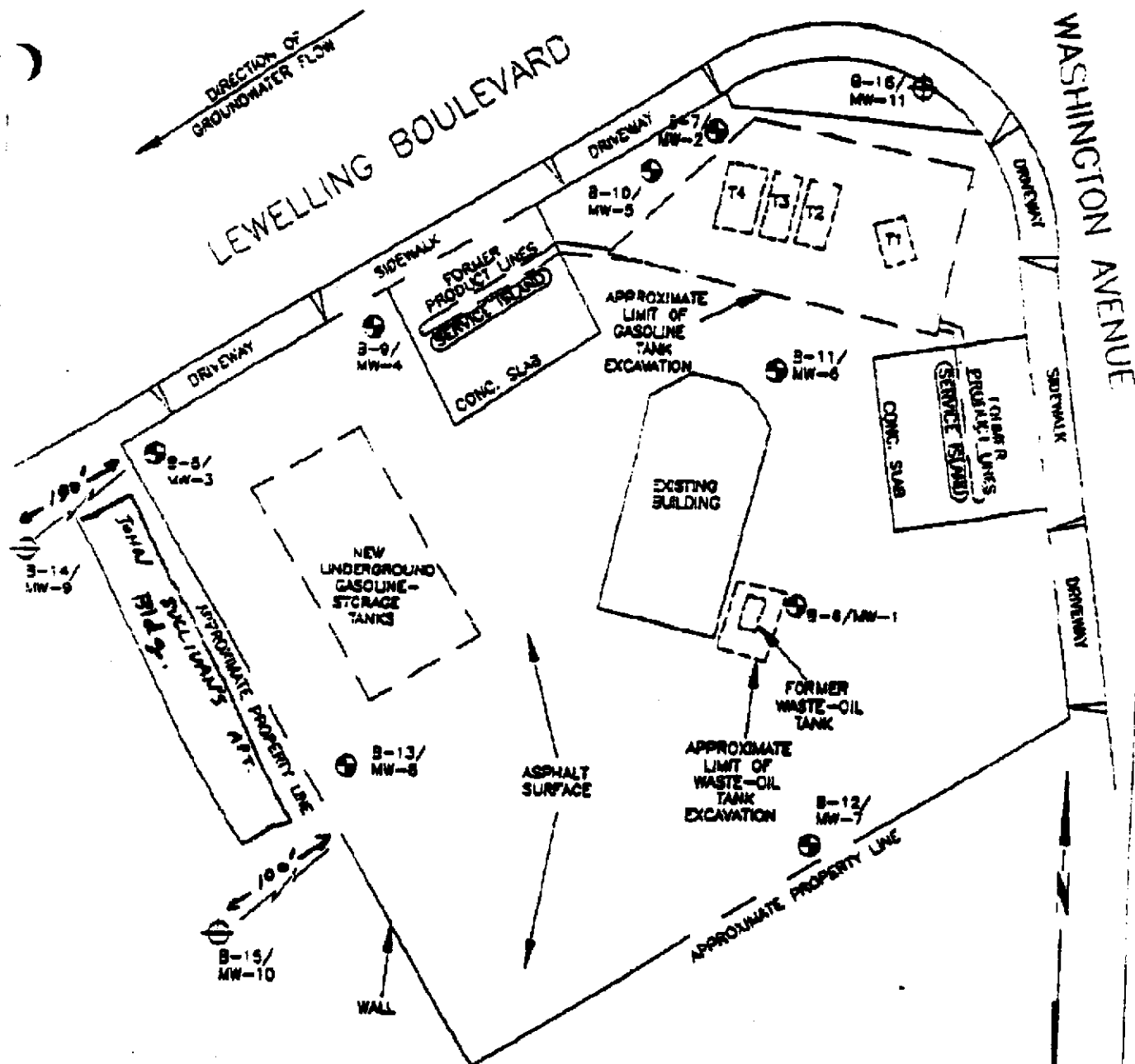
By: *[Signature]*

Title: *Mgr Envir Engineering*

Title: \_\_\_\_\_

Date: *12/22/92*

Date: \_\_\_\_\_



## EXPLANATION

- B-16/  
MW-11 = Proposed groundwater monitoring well
- B-13/  
MW-8 = Groundwater monitoring well  
(RESNA 1990 and 1991)

Approximate Scale



Source: Surveys by Ron Archer, Civil Engineer Inc.

**RESNA**

PROJECT 69034.08

**PROPOSED BORING/  
MONITORING WELL LOCATIONS**  
ARCO Station 601  
712 Lewelling Boulevard  
San Leandro, California

PLATE

2

Legal  
1055 West Seventh Street  
P.O. Box 2570  
Los Angeles, California 90061-0570  
Telephone 213 486 1873

John P. Meck  
Senior Counsel

CALIF. REG. WATER  
JAN 06 1993  
QLTY. CONTROL BOARD

December 16, 1992

SENT VIA UPS

Mr. John Sullivan  
17760 Sweetbriar Place  
Castro Valley, California 94546

Re: ARCO Monitoring Wells, 724 Lewelling, San Leandro  
Arco Service Station #601

Dear Mr. Sullivan:

As you may know, the California Regional Water Quality Control Board, San Francisco Bay Region, has issued "Clean Up and Abatement Order, No. 92-147," involving property owned by you at 724 Lewelling, San Leandro, CA. The order requires that, by December 23, 1992, a fully executed access agreement to implement the tasks set forth in the order be submitted to the Regional Board. In the alternative, you are obligated to submit a work plan which is acceptable to the Executive Officer to meet the January 29, 1992 deadline for work described in the abatement order.

ARCO is still ready, willing and able to immediately initiate the required assessment work and respond to any necessary abatement for contamination caused by ARCO. However, before we can perform any work involving your property, we must obtain your permission to enter onto your property to perform this work. In January, 1992, we had requested such access to your property and, during the course of the following twelve months, we have negotiated with you various modifications to this access agreement. As I indicated to you in my September 3, 1992 letter, we had agreed to most of your requests but that we could not agree to your continued insistence that the access agreement also provide indemnification for speculative, consequential damages. The access agreement is intended only to obtain access to your property for the purposes of assessing whether your property is contaminated, determining the origin of the contamination and determining to what extent, if any, remediation is necessary and otherwise comply, to the extent required of ARCO, with the Abatement Order. The access agreement is not intended nor are we in a position at this time to enter into negotiations on speculative damage claims when the status and origin of contamination, if any, is unknown.

Mr. John Sullivan  
December 16, 1992  
Page 2

An access agreement as required by the Cleanup and Abatement Order is enclosed for your signature and approval.

If I do not receive this License Agreement, signed by you, by December 22, 1992, I will then notify Mr. Gary Grimm that ARCO is not in a position to proceed with the assessment of your property because of the lack of an access agreement. We will then assume that you will be submitting a workplan acceptable to the Executive Officer as required by the Clean Up and Abatement Order.

If you have any questions in this regard, please call me.

Sincerely,

A handwritten signature in cursive script, appearing to read "John P. Meck".

John P. Meck

JPM:vlt

Enclosure

cc: G. Grimm, RWQCB  
M. Whelan, ARCO

**LICENSE AGREEMENT  
BETWEEN JOHN SULLIVAN  
AND ARCO PRODUCTS COMPANY**

This license Agreement is made on the 16<sup>th</sup> day of December, 1992 between John Sullivan, private owner, hereinafter referred to as "licensor" and ARCO Products Company, a division of Atlantic Richfield Company, hereinafter referred to as "licensee".

**1. RECITALS**

- 1.1 Licensor owns certain real property (the "Property") at 724 Lewelling Boulevard, San Leandro, in the state of California.
- 1.2 Licensee desires to drill on a portion of the Property two (2) groundwater wells as depicted on Plate 2, attached hereto and made part hereof and otherwise comply, to the extent required of licensee, with requirements of California Regional Water Quality Control Board's Cleanup and Abatement Order No. 92-147.
- 1.3 The parties desire to enter into this License Agreement to allow licensee to install said groundwater wells on the Property.
- 1.4 Neither this License Agreement nor any of the terms hereof shall be construed as an admission of liability by Licensee for any contamination, alleged or otherwise, on the licensed area or any adjoining property.

## **2. AGREEMENT**

Now, therefore, in consideration of the mutual covenants and agreements herein contained, the parties do hereby covenant and agree as follows:

## **3. TERMS**

- 3.1 Licensee may drill, use and backfill at its sole cost and expense, two (2) groundwater wells on the Property located at 724 Lewelling Boulevard, San Leandro, California and otherwise comply, to the extent required of licensee, with the requirements of California Regional Water Quality Control Board's "Cleanup and Abatement Order No. 92-147."
- 3.2 Said groundwater wells shall be completed as shown on Plate 2 attached hereto and made part hereof.
- 3.3 Licensee, upon prior notification to licensor, may enter the Property to monitor and sample the two (2) groundwater wells.
- 3.4 Licensee agrees not to permit any liens to stand against the Property for work done or materials furnished to licensee, and licensee agrees to indemnify and hold licensor harmless for same.
- 3.5 If the surface of the licensed area or the surface of licensor's adjacent real property or improvements thereon shall be disturbed by the emplacement or the backfill of licensee's groundwater wells, then said surface or improvements shall be promptly restored by licensee to their condition just prior to such disturbance.

- 3.6 Licensee shall, after completion, backfill said borings pursuant to this License Agreement, or after the groundwater wells are no longer useful to the investigation, destroy the groundwater wells according to the standards set forth by the appropriate State agency.
- 3.7 Licensee agrees to indemnify, defend, and save licensor harmless from all liability, damage, expense, causes of action, suits, claims, or judgments resulting from injuries to person or damage to property on the licensed area or on adjoining streets and sidewalks which arise out of the act, failure to act, or negligence of licensee, its agents, employees, invitees, or guests in performing work under this License Agreement.
- 3.8 This License Agreement shall not constitute a deed or a grant of easement and shall not be deemed irrevocable or an easement by virtue of the work performed under or by reason of this license.
- 3.9 This License Agreement may be terminated by either party upon thirty (30) days prior to written notice. Termination does not release Licensor or Licensee from their respective, continuing obligations as provided for in this Agreement.
- 3.10 It is acknowledged that as of this date, no contamination has been detected at, in, on, or under the Property. If it is determined that gasoline contamination from the ARCO property has migrated to the Property, then licensee hereby acknowledges responsibility for the removal of such contamination



as and to the extent required by applicable law. Neither licensee's request for access nor licensee's willingness to investigate or remediate any contamination on the Property nor the provisions of this Agreement or any instrument, correspondence, document or other written information whatsoever relating to this Agreement or the site assessment, remediation or cleanup undertaken by ARCO as to the property shall constitute an admission of liability for any purpose. Further, Licensor may submit to Licensee any claim for loss of income or loss of value suffered by Licensor as a direct result of such contamination. Any such claim must be submitted by licensor to licensee within one year from the date of discovery of such contamination. In submitting any such claim to licensee, licensor shall provide all necessary information, as requested by licensee, substantiating such claim. Upon receipt of any such claim and substantiating proof, licensee will consider such claim for payment. Neither the submission of such claim nor any consideration of such claim by licensee shall create or be construed as creating any rights or remedies on the part of licensor or liability on the part of the licensee as to such claims, but is intended solely for the purpose of resolving differences without resorting to litigation, arbitration or other formal means of dispute resolution.

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IN WITNESS WHEREOF, the parties have executed this License Agreement as of the day and year first above written.

**ARCO PRODUCTS COMPANY**

**JOHN SULLIVAN**

By: *J. H. Kumar*

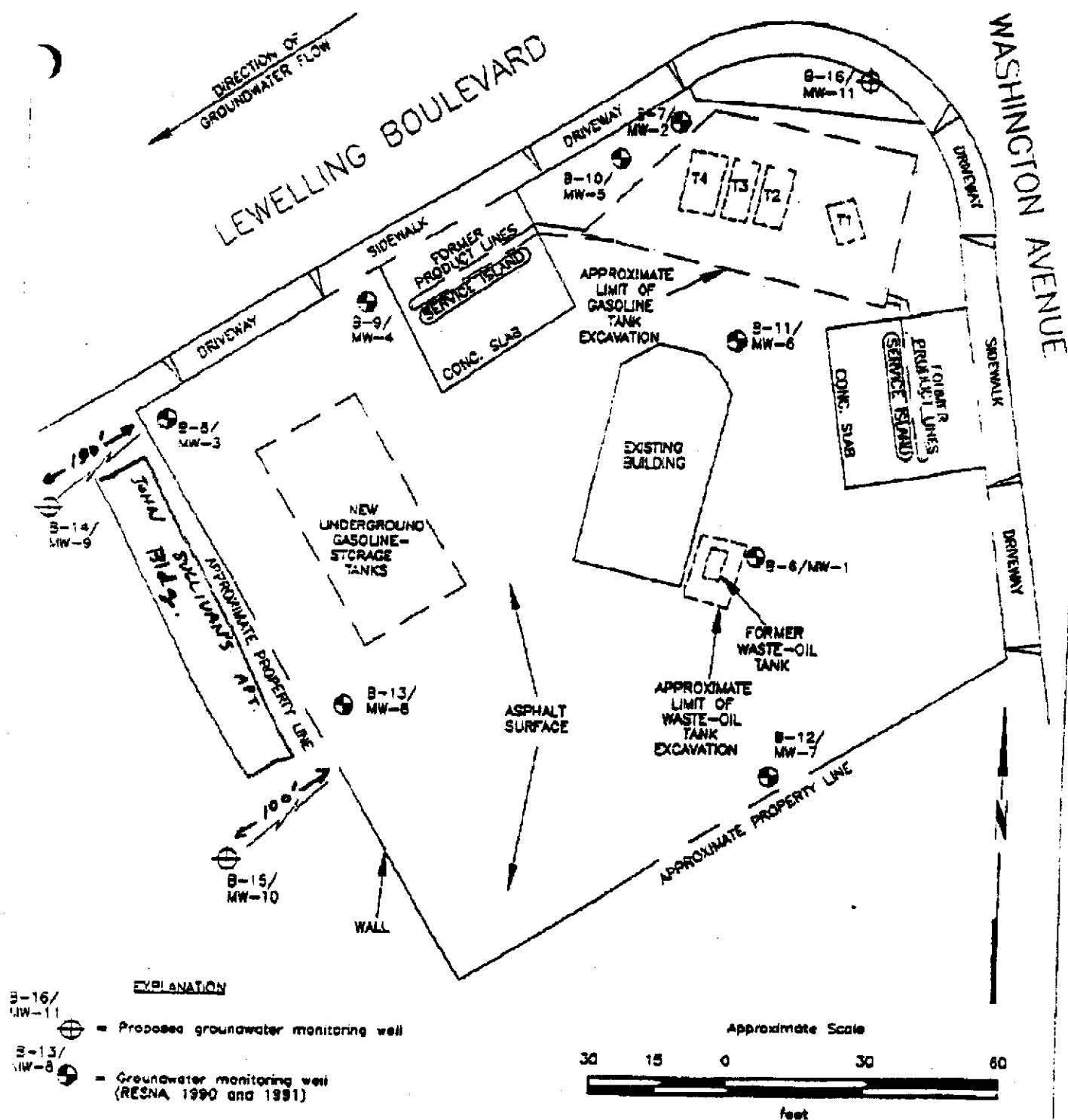
By: \_\_\_\_\_

Title: *Mgr Envir Engineering*

Title: \_\_\_\_\_

Date: *12/16/92*

Date: \_\_\_\_\_

**RESNA**

PROJECT 69034.08

**PROPOSED BORING/  
MONITORING WELL LOCATIONS**  
ARCO Station 601  
712 Lewelling Boulevard  
San Leandro, California

PLATE

2

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

92 FEB -6 11:20  
CLEANUP AND ABATEMENT ORDER NO. 92-147

ARCO PRODUCTS COMPANY AND MR. JOHN J. SULLIVAN, 712 AND 724 LEWELLING BLVD.,  
SAN LEANDRO, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board), finds that:

1. ARCO Products Company (ARCO) owns and operates a gasoline station at 712 Lewelling Blvd., corner of Washington Avenue, in San Leandro, California.
2. On August 2, 1989, pre-drilling prior to replacing five underground storage tanks (four gasoline and one waste oil) encountered polluted soil at up to 12,000 parts per million (ppm) of total petroleum hydrocarbon as gasoline (TPH-g), 60 ppm of benzene, and 4800 ppm of total oil and grease (TOG). The five tanks were replaced in January 1990.
3. Eight groundwater monitoring wells (MWs) currently exist at this site. Groundwater monitoring and analytical results from samples taken in May and June 1992 indicate that **floating product up to 0.02 feet thick** was measured in two of the MWs. Dissolved constituents in the groundwater include up to 120,000 parts per billion (ppb) of TPH-g, 17,000 ppb of benzene, 13,000 ppb of toluene, 2400 ppb of ethylbenzene, and 11,000 ppb of xylenes. The State of California Maximum Contaminant Level for benzene, a known human carcinogen, in drinking water is 1.0 ppb.
4. Two floating product skimmers have already been installed in two of the MWs. ARCO has also proposed installing an interim groundwater remediation system to extract and treat the polluted groundwater and prevent further migration off-site. Discharge from the proposed treatment system will be to the Ora Loma Sanitary District.
5. The extent of the groundwater pollution has not been delineated. In order to further delineate the extent of the groundwater pollution, ARCO has recently installed one off-site MW and is proposing to install two additional on-site and three additional off-site wells. Two of the proposed off-site wells would be located on the adjacent property downgradient from the ARCO site. Existing data indicates that groundwater beneath the adjacent downgradient site has probably been impacted by petroleum hydrocarbon from the ARCO and possibly other upgradient sites.
6. The adjacent downgradient site (located at 724 Lewelling Blvd.) is owned by Mr. John J. Sullivan. ARCO has informed Board staff that the Sullivan site appears to have been either a truck stop or truck maintenance facility as late as the 1950's. The apartment building that is currently on the site was built in the 1960's. No soil or groundwater studies have been submitted to the Board for this site.
7. In a Board letter to Mr. Sullivan, dated May 11, 1992, the Board requested that Mr. Sullivan submit a technical report (pursuant to Water Code Section 13267) on an acceptable groundwater investigation of the

groundwater beneath 724 Lewelling Blvd. by June 11, 1992 (or he may allow ARCO access to his property in order for them to gather the needed data).

8. Board staff met with Mr. Sullivan and representatives from ARCO on June 11, 1992 to try to resolve the disagreement regarding the terms of an access agreement. The disagreement was not resolved.
9. In a Board letter to both Mr. Sullivan and ARCO, dated June 12, 1992, the Board again requested a technical report pursuant to Water Code Section 13267.
10. In a letter dated July 30, 1992, the Board reiterated its request for a technical report and warned that the Board intended to issue a complaint for administrative civil liability if the technical report is not submitted.
11. On September 1, 1992, Gary Grimm, Board legal counsel, convened a meeting with Mr. Sullivan and ARCO to try to resolve their differences.
12. Despite the three letters dated May 11, 1992, June 12, 1992, and July 30, 1992 and two meetings convened by Board staff on June 11, 1992 and September 1, 1992, ARCO and Mr. Sullivan have not been able to agree on the terms of an access agreement to allow ARCO access to the Sullivan site to continue with their off-site groundwater investigation. Mr. Sullivan, in the alternative, has failed to provide the requested technical report. This failure has caused the groundwater investigation and cleanup to be delayed for almost a year at the ARCO site.
13. The existing and potential beneficial uses of groundwater in the area include municipal and domestic supply, industrial process and service supply, and agricultural supply.
14. ARCO's discharge and Mr. Sullivan's refusal to allow access has created a condition of groundwater pollution and nuisance beneath the site located at 712 Lewelling Blvd., and threatens to adversely impact the beneficial uses of the adjacent site's groundwater.
15. This action is an Order to enforce the laws and regulations administered by the Board, and as such, is categorically exempt from the provisions of CEQA pursuant to Section 15321 of the Resource Agency Guidelines.

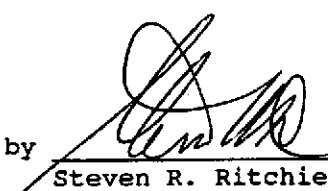
THEREFORE, IT IS HEREBY ORDERED that pursuant to California Water Code Section 13304, ARCO Products Company and/or John J. Sullivan shall cleanup and abate the effects of waste discharges, and complete the following tasks:

1. By December 23, 1992, submit a fully executed access agreement necessary to implement the tasks set forth herein, or submit Mr. Sullivan's workplan which is acceptable to the Executive Officer to meet the January 29, 1992 deadline described hereafter.
2. By January 29, 1993, commence installation of at least two MWs at 724 Lewelling Blvd. in order to continue to define the extent of soil and/or groundwater pollution to nondetectable levels.

3. By March 30, 1993, submit a workplan for the ARCO site (located at 712 Lewelling Blvd.) which is acceptable to the Executive Officer containing a description and a time schedule for implementation of tasks necessary to:  
(a) define the vertical and lateral extent of soil and groundwater pollution to nondetectable levels, (b) ~~contain the groundwater plume~~, and  
(c) clean up all polluted soils and groundwater to levels consistent with the State Water Resources Control Board's Resolution No. 68-16, titled "Statement of Policy with Respect to Maintaining High Quality of Waters in California" (enclosed).
4. By March 30, 1993, submit a workplan for the Sullivan site (located at 724 Lewelling Blvd.) which is acceptable to the Executive Officer containing a description and a time schedule for implementation of tasks necessary to:  
(a) define the vertical and lateral extent of soil and groundwater pollution to nondetectable levels, (b) contain the groundwater plume, and  
(c) clean up all polluted soils and groundwater to levels consistent with the State Water Resources Control Board's Resolution No. 68-16, titled "Statement of Policy with Respect to Maintaining High Quality of Waters in California" (enclosed).
5. Submit written progress reports every three months, identifying actions taken to comply with the terms of this Cleanup and Abatement Order and the status of the cleanup.
6. If for any reason ARCO and/or John J. Sullivan are unable to perform any activity or submit any documentation in compliance with the work schedule submitted pursuant to this Order and approved by the Executive Officer, ARCO and/or John J. Sullivan may request, in writing an extension of the time specified. The extension request may be granted for good cause, in which case this Order will accordingly be revised.

This Order is issued pursuant to Section 13304 of the California Water Code. Failure to comply with this Order may subject ARCO Products Company and/or John J. Sullivan to civil liability imposed by the Regional Board for an amount that shall not exceed \$5000 for each day in which the order is violated, or the Attorney General, at the request of the Board, shall petition the Superior Court for Alameda County for the issuance of an injunction requiring ARCO Products Company and/or John J. Sullivan to comply with this Cleanup and Abatement Order. In any such suit, the court shall have jurisdiction to grant a prohibitory or mandatory injunction, either preliminary or permanent, as the facts may warrant.

Ordered by

  
Steven R. Ritchie  
Executive Officer

Date

12/7/92

## CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

## SAN FRANCISCO BAY REGION

2101 WEBSTER STREET, SUITE 500  
OAKLAND, CA 94612TEL: (510) 286-1255  
FAX: (510) 286-1380

Return Receipt Requested

Certified Mail No. P 377 814 326

Certified Mail No. P 377 814 325

December 1, 1992

File No. 2342.05(JMJ)

Mr. Mike Whelan  
ARCO Products Company  
2000 Alameda de las Pulgas  
P. O. Box 5811  
San Mateo, CA 94402

and

Mr. John J. Sullivan  
17760 Sweetbriar Place  
Castro Valley, CA 94546

Gentlemen:

SUBJECT: Cleanup and Abatement Order (CAO) No. 92-147

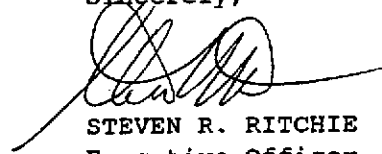
Despite three letters dated May 11, 1992, June 12, 1992, and July 30, 1992 and two meetings convened by Board staff on June 11, 1992 and September 1, 1992, you have not been able to agree on the terms of an access agreement to allow ARCO access to the Sullivan site (724 Lewelling Blvd. in San Leandro) to continue with their off-site groundwater investigation. Mr. Sullivan, in the alternative, has failed to provide the requested technical report (pursuant to Water Code Section 13267 in the May 11 and June 12, 1992 letters). This failure has caused the groundwater investigation and cleanup to be delayed for almost a year at the ARCO site (712 Lewelling Blvd., San Leandro).

The attached CAO will require the installation of at least two monitoring wells at the Sullivan property, and the submittal of workplans for both 712 and 724 Lewelling Blvd. to define the extent of the known ARCO pollution believed to extend underneath 724 Lewelling Blvd., contain the groundwater plume, and cleanup the pollution.

Pursuant to Section 13350 of the California Water Code, failure to comply with this CAO may subject you to civil liability imposed by this Board for an amount not less than \$500 per day and for an amount not to exceed \$5000 per day. Alternatively, the Board may petition the Superior Court for Alameda County for the issuance of an injunction requiring compliance with the attached CAO. Civil Liability may also be imposed by the Superior Court for an amount not to exceed \$15,000 per day.

If you have any questions, please call Mr. Gary Grimm, legal counsel for the Board, at (510) 286-0889.

Sincerely,



STEVEN R. RITCHIE  
Executive Officer

Enclosure: CAO No. 92-147

cc w/ enclosure: Mr. Robert Weston, Alameda County Health Agency  
Mr. Michael Bakaldin, San Leandro Fire Dept.  
EPA Enforcement Division  
Office of the Attorney General, 350 Mc Allister Street, Room  
6000, San Francisco  
Mr. Mark Thomson, Alameda County District Attorney's Office



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

92 DEC -8 11:20  
CLEANUP AND ABATEMENT ORDER NO. 92-147

ARCO PRODUCTS COMPANY AND MR. JOHN J. SULLIVAN, 712 AND 724 LEWELLING BLVD.,  
SAN LEANDRO, ALAMEDA COUNTY

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13. The existing and potential beneficial uses of groundwater in the area include municipal and domestic supply, industrial process and service supply, and agricultural supply.
14. ARCO's discharge and Mr. Sullivan's refusal to allow access has created a condition of groundwater pollution and nuisance beneath the site located at 712 Lewelling Blvd., and threatens to adversely impact the beneficial uses of the adjacent site's groundwater.
15. This action is an Order to enforce the laws and regulations administered by the Board, and as such, is categorically exempt from the provisions of CEQA pursuant to Section 15321 of the Resource Agency Guidelines.

THEREFORE, IT IS HEREBY ORDERED that pursuant to California Water Code Section 13304, ARCO Products Company and/or John J. Sullivan shall cleanup and abate the effects of waste discharges, and complete the following tasks:

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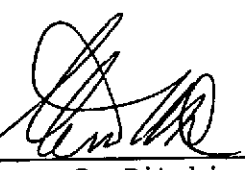
3. By March 30, 1993, submit a workplan for the ARCO site (located at 712 Lewelling Blvd.) which is acceptable to the Executive Officer containing a description and a time schedule for implementation of tasks necessary to: (a) define the vertical and lateral extent of soil and groundwater pollution to nondetectable levels, (b) contain the groundwater plume, and (c) clean up all polluted soils and groundwater to levels consistent with the State Water Resources Control Board's Resolution No. 68-16, titled "Statement of Policy with Respect to Maintaining High Quality of Waters in California" (enclosed).

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5. Submit written progress reports every three months, identifying actions taken to comply with the terms of this Cleanup and Abatement Order and the status of the cleanup.
6. If for any reason ARCO and/or John J. Sullivan are unable to perform any activity or submit any documentation in compliance with the work schedule submitted pursuant to this Order and approved by the Executive Officer, ARCO and/or John J. Sullivan may request, in writing an extension of the time specified. The extension request may be granted for good cause, in which case this Order will accordingly be revised.

This Order is issued pursuant to Section 13304 of the California Water Code. Failure to comply with this Order may subject ARCO Products Company and/or John J. Sullivan to civil liability imposed by the Regional Board for an amount that shall not exceed \$5000 for each day in which the order is violated, or the Attorney General, at the request of the Board, shall petition the Superior Court for Alameda County for the issuance of an injunction requiring ARCO Products Company and/or John J. Sullivan to comply with this Cleanup and Abatement Order. In any such suit, the court shall have jurisdiction to grant a prohibitory or mandatory injunction, either preliminary or permanent, as the facts may warrant.

Ordered by

  
Steven R. Ritchie  
Executive Officer

Date

  
12/7/92



61-0116

**RESNA**  
Working To Restore Nature

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

## TRANSMITTAL

CALIF. REG. WATER  
NOV 06 1992 JMW  
QLTY. CONTROL BOARD

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

DATE: November 4, 1992  
PROJECT NUMBER:  
SUBJECT: Minutes for Meeting  
held on September 30, 1992.

FROM: Joel Coffman  
TITLE: Project Geologist

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1	11/4/92		Minutes to meeting held at ACHCSA on September 30, 1992.

THESE ARE TRANSMITTED as checked below:

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

REMARKS: cc: Mr. Michael Whelan, ARCO Products Company  
Mr. Chris Winsor, ARCO Products Company  
Mr. John Meck, ARCO Legal Department  
Mr. John Jang, RWQCB, San Francisco Bay Region  
Mr. Richard Hiatt, RWQCB, San Francisco Bay Region  
Mr. John Vargas, GeoStrategies



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November 4, 1992  
1104shgo

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

Subject: Minutes to Meeting held at Alameda County Health Care Services Agency  
(ACHCSA) on September 30, 1992.

Dear Ms. Hugo:

On behalf of ARCO Products Company (ARCO), RESNA Industries, Inc. (RESNA has prepared these minutes for the meeting held at your offices on September 30, 1992. This meeting was held for discussion of ARCO sites located in Alameda County and under direction of Mr. Richard Hiatt and Mr. John Jang of the Regional Water Quality Control Board (RWQCB). As circumstances dictated, these RWQCB personnel were not able to attend the meeting, however, they will receive a copy of these minutes. Attending the whole meeting were Ms. Susan Hugo of the ACHCSA, Mr. Michael Whelan of ARCO, and Mr. Joel Coffman of RESNA. People attending parts of the meeting while particular sites were discussed included Mr. Barney Chan and Mr. Scott Seery of the ACHCSA, Ms. Valli Voruganti of RESNA, and Mr. John Vargas and Ms. Diane Lundquist of GeoStrategies, Inc. An agenda for the meeting, including a listing of sites for discussion, was sent to the offices of the ACHCSA and the RWQCB prior to the meeting.

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

Attending the meeting during discussion of ARCO Stations 276, 2035, 2107, 2185, and 4494 were Mr. Barney Chan and Ms. Susan Hugo of ACHCSA, Mr. Michael Whelan of ARCO, and Mr. Joel Coffman and Ms. Valli Voruganti of RESNA. Site specific topics discussed are included in the following portion of these minutes.

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**ARCO Station 2035, 1001 San Pablo Ave., Albany, California**

Discussion of this site included mention that product previously found in recovery well RW-1 was collected in a passive floating product skimmer and had been hand bailed on a bi-weekly basis. Floating product in RW-1 has been reduced to a sheen. Ms. Hugo asked for product information concerning the skimmers, this information has been sent. Other discussion included the fact that the onsite vapor extraction wells had been installed and a vapor extraction test performed at the site in August, 1992. Offsite monitoring wells will be installed upon gaining Cal-Trans permits for the wells. During discussion concerning additional onsite monitoring wells, Mr. Chan suggested moving one of our proposed monitoring well locations (located on the southwest corner of the site) to the north a few feet so it would be situated more downgradient from the former waste oil and former gasoline storage tanks.

The ACHCSA agreed that the report for installation of the onsite vapor extraction wells and the results of the vapor extraction test would be initiated now and delivered in final form to ACHCSA by **December 1, 1992**. Due to the delays associated with gaining permits from Cal Trans for offsite monitoring well installation (still not received at date of this letter), the report with results of the installation offsite monitoring wells will be combined with results of installation of the additional onsite monitoring wells. ACHCSA wishes to be informed of prolonged offsite access problems, including permitting delays and obtaining offsite owner permission for installation of offsite wells.

In regards to the remediation schedule for this site, it was mentioned that the installation of vapor extraction wells and performance of a vapor extraction test and the need for additional onsite monitoring wells were not included in the original schedules. The ACHCSA agreed to a revised remediation schedule which includes these phases of work. A remedial action plan is due to the ACHCSA on **March 1, 1993**, and the anticipated date for start-up of an interim remediation system is **July, 1993**.

**ARCO Station 2107, 3310 Park Blvd., Oakland, California.**

In discussions concerning this site, Ms. Hugo asked about the TPHd detected previously at the site. Mr. Whelan explained that ARCO was requesting all laboratory chromatograms from previously ran analyses for study. As ARCO has never stored diesel at this site, it is suspected that the TPHd is actually weathered gasoline, which can fall within the same detectable range as diesel in laboratory analyses.

It was explained that offsite monitoring wells had been installed at the site and that the groundwater recovery well, RW-1, would be installed in conjunction with construction of the

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interim remediation system, which began October 19, 1992. This recovery well, RW-1, has now been installed. As the monitoring well MW-7, located immediately offsite and downgradient from the ARCO site has contained minor amounts of Benzene, it was agreed that no further assessment is needed at this time. The report including results of the installation of offsite monitoring wells and the recovery well is due to the ACHCSA on January 1, 1993.

**ARCO Station 2185, 9800 E. 14th St., Oakland, California.**

It was mentioned that the report documenting the underground storage tank removal and replacement had been issued by Roux Associates. ARCO mentioned that field work included in the recently completed subsurface investigation had been delayed until late June to early July, 1992, due to the delays related to the tank replacement activities at the site. The report for the subsurface investigation was issued in final form in September by RESNA. A work plan for additional work at the site will be prepared and submitted to the ACHCSA and RWQCB by December 1, 1992. Work to be proposed in the work plan will include installation of a groundwater recovery well, performance of an aquifer pumping and recovery test, installation of offsite groundwater monitoring wells, conducting an environmental records search, and performing a well survey to locate wells in the vicinity of the site.

In discussing the schedule for remediation at the site, it was also agreed that a Remedial Action Plan (RAP) will be prepared and submitted to the ACHCSA by June 1, 1993 and that design of an interim remediation system would be completed by August 1, 1993. Equipment needed for the system will be ordered and received by November 1, 1993, with the anticipated date for system start-up to be January 1, 1994.

**ARCO Station 4494, 566 Hegenberger Rd., Oakland, California**

ARCO mentioned that after almost a year of negotiations, offsite access had been granted by the adjacent property owner in July, 1992, for installation of offsite monitoring wells. These wells were drilled and installed in July 1992 and the report detailing the findings from this monitoring well installation was delivered to the ACHCSA on October 29, 1992.

Concerning tank replacement at the site, Mr. Whelan stated that ARCO is attempting to gain approval for a station rebuild in conjunction with tank replacement at the site. Delays associated with gaining the permits and approval for the rebuild have pushed the anticipated start date for these activities to approximately the first quarter 1993. Ms. Hugo asked if ARCO was planning to excavate the area around monitoring well MW-2, the only hydrocarbon impacted part of the site, during tank replacement activities. Mr. Whelan

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explained ARCO would not be able to excavate very far due to limitations posed by structures and the offsite properties adjacent to the site. It was generally agreed that over-excavation may be the only feasible alternative for this site.

**ARCO Station 276, 10600 MacArthur Blvd., Oakland, California.**

ARCO mentioned that the offsite monitoring wells, MW-6 and MW-7, had been installed in the Foothill Square Shopping Center parking lot. One well, MW-7, was screened in the shallow water bearing zone and the other well, MW-6, in the deeper water-bearing zone. It was brought to the attention of Mr. Chan and Ms. Hugo that, as suspected, the groundwater samples collected from the upgradient, offsite, deeper water-bearing zone (from MW-6) contained the highest concentrations of Tetrachloroethene (PCE) of any wells on or near the site. This information supports previous suspicions that the PCE and other VOCs found in the deeper water-bearing zone originate from an offsite source. Mr. Coffman pointed out that while the Foothill Square Site is listed in the Report on Releases of Hazardous Substances from Underground Storage Tanks (page 31, January 1992, Report No. 92-2CWP), it is listed only as a gasoline leak with no reference made to the VOCs. ARCO also mentioned that the ARCO site is listed in the same leak report, but is erroneously listed as a waste oil leak. This is an erroneous listing based on analytical results of soil samples collected during removal of the tank in 1988 (Pacific, February 6, 1989). The samples collected and analyzed for waste-oil compounds from the waste-oil tank pit and immediately surrounding area contained non-detectable concentrations for waste oil and volatile organic compounds. Therefore, there is no evidence of a waste oil leak at the site. Laboratory analysis data from installation of the offsite borings/wells had previously been sent to Mr. Chan along with the monthly site status letters prepared for each site in Alameda County. This data will be included in a report documenting recent onsite and offsite work at the site to be delivered to ACHCSA by February 1, 1993.

Onsite work recently completed at the site includes installation of 7 vapor extraction wells and an additional groundwater monitoring well. The new onsite wells were piped together into the existing offsite vapor extraction system. In late August, a vapor extraction performance test was conducted at the site to compare the performance of the existing offsite system, which uses soil vapor probes, with use of the system using the new onsite vapor extraction wells. Performance data collected during the test will be used to facilitate design and provide information concerning the number of offsite vapor extraction wells which will be needed to enhance operation of the offsite portion of the vapor extraction system. Results of the vapor extraction test will be included in the report to be issued by February 1, 1993.



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ARCO discussed plans to add additional offsite vapor extraction wells to the existing offsite vapor extraction system. ARCO is now working to obtain access for future offsite well installations. It was agreed that the Remedial Action Plan previously submitted to the ACHCSA by ARCO concerning interim groundwater remediation (RESNA, March 18, 1992) would not be implemented by ARCO as the Deeper aquifer at the site is impacted by VOCs from an offsite source. It was also agreed that since the shallow perched aquifer at the site which is impacted by gasoline hydrocarbons will not sustain pumping, the perched water bearing zone will be remediated by the vapor extraction system. Based on the remediation schedules submitted for this site in February 1992, ARCO is either on schedule or ahead of schedule for work to be performed at this site.

Upon conclusion of discussion concerning Station 276, Mr. Barney Chan departed the meeting.

**ARCO Station 374, 6407 Telegraph Ave., Oakland, California.**

Discussion concerning this site centered around the fact the City of Oakland had recently re-zoned the area and that previously submitted engineering designs would now have to pass through a zoning department review process. This will slow down the installation and start-up of the interim remediation system by a minimum of 60 days. Ms. Hugo asked for names of personnel she might contact at the city concerning this matter and Ms. Voruganti provided her with a listing. The names included Mr. Chris Buckley of the zoning department and Ms. Diane Bradshaw of the planning department. With these new permitting delays, the date for initiating construction of the system at the site will be moved back to at least January, 1993. This will allow for a system start-up date of not before March, 1993.

In reference to other site-related items, Mr. Whelan and Mr. Coffman pointed out that a former Mobil Oil Service Station site, which is a potential secondary source of hydrocarbons in groundwater, is located diagonally across Telegraph Avenue, approximate 120 feet southeast and upgradient/crossgradient of ARCO 374. The street address for this site is 6398 Telegraph Avenue.

This potential secondary source is currently a vacant lot owned by Givens Investment Company (Givens). The site is known to have had an underground-storage tank (UST) leak, as evidenced by placement of the site on the Report on Releases of Hazardous Substances from Underground Storage Tanks, State Water Resources Control Board, California Environmental Protection Agency, January 1992, Report No. 92-2CWP. The service station was present at this location from at least 1957 until at least 1985. According to the Report on Releases of Hazardous Substances from Underground Storage Tanks, the

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leak was reported in April 1986 and was last reviewed in June 1990 and no action has been taken by the responsible party since the initial report of the leak. Actions recommended in the report regarding the former Mobile Station included removal of free product and excavation and treatment of contaminated soil.

Mr. Coffman made reference to an AquaScience Engineers report related to tank removal at the former Mobil site, which, Ms. Hugo requested a copy be forwarded to her and one has been sent. In the AquaScience Engineers report, dated May 27, 1986, it is stated that soils in the tank pit from removed tanks had a motor fuel smell and each tank pit contained water with floating product. The tank pits were excavated to a depth of twelve feet and groundwater was encountered at approximately twelve feet. The report states that the waste oil tank and one 5,000 gallon gasoline tank had holes in them when removed and inspected. Although water was pumped from the tank pits and disposed of, there is no record that any further investigation to evaluate and delineate the impact the leaking waste oil and gasoline tanks to groundwater at the former Mobil Station. Since the tanks were leaking directly into the tank pit which was in direct communication with the aquifer, it is probable there has been impact to the groundwater from these tanks. This may be a source of the gasoline hydrocarbons detected in groundwater samples from well MW-2 at the ARCO site, which is closest to the former Mobil site and upgradient from any possible ARCO source of gasoline hydrocarbons.

Ms. Hugo asked whether ARCO intended to install offsite groundwater recovery wells to be used in the groundwater remediation system. ARCO replied that once the system was operational and data had been studied, ARCO would evaluate the need for and feasibility of additional recovery wells. ARCO stated that permitting and gaining access for installation of offsite recovery wells which would then need to be piped into the groundwater remediation system could prove to be very difficult and take several months to accomplish.

Upon conclusion of discussion concerning Station 374, Ms. Valli Voruganti departed the meeting. The following three ARCO sites, 2112, 2169, and 4931 were discussed by Ms. Susan Hugo, Mr. Michael Whelan, and Mr. John Vargas and Ms. Diane Lundquist.

**ARCO Station 2112, 1260 Park St., Alameda, California.**

An Interim Remedial Action Plan was issued on August 27, 1992. This document discusses the remediation approach chose for this site. The System will include vapor extraction and groundwater pump and treat technologies. Previous vapor extraction and aquifer test data were to identify the number of required wells. All permits have been received at this time and construction is scheduled for October 19, 1992. The Remedial System is scheduled for start-up in February 1993.

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An additional recovery well and down-gradient well were installed. Petroleum hydrocarbons in the down-gradient well were not observed.

Ms. Hugo asked if ARCO had a contingency plan to address potential breakdown of the system. GeoStrategies Inc., has prepared an Operation and Maintenance Plan. This Plan provides that any pumps or system equipment will be repaired. Telemetry will also be added to the system so that GeoStrategies Inc., will be notified as soon as there are system problems. Groundwater piping and the system enclosure slab have been designed for secondary containment.

Ms. Hugo asked how long the system will be operating. Soil clean-up should be relatively short and the anticipated groundwater clean-up duration as outlined in the schedule for this site is for five years. After an initial start-up and operation period, a better estimate may be possible.

Ms. Hugo asked about the number of carbon beds and their replacement schedule. The groundwater system will include two 180 pound carbon vessels. Calculations for the minimum replacement periods are included in the Interim Remedial Action Plan. The Operation and Maintenance Plan provides for monitoring the influent and effluent air and water systems on a routine schedule. Carbon will be replaced once breakthrough has been detected in the first carbon beds.

**ARCO Station 2169, 899 W. Grand Ave., Oakland, California.**

The Remediation Implementation schedule will be revised to accommodate delays in completing the onsite assessment. The original schedule assumed this assessment would be performed concurrently with the tank removal project. However, due to space limitations at the site caused by the large quantity of stockpiled soils during tank replacement, ARCO anticipates a 4-month delay in completing the assessment. This delay pushes back the estimated system start-up date to September 1, 1993.

The onsite assessment is to be completed at this time, Vapor extraction and aquifer tests have been completed. These remedial technologies appear to be feasible. The report documents these activities in a draft. Diesel was reported for previous groundwater samples at this site. Laboratory results for other ARCO stations have erroneously reported diesel. ARCO plans to do additional analysis to confirm whether diesel has impacted the soil and groundwater. A draft report has been submitted to ARCO. The report of onsite work and a Work Plan for offsite assessment will be issued in late October to early November, 1992.

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**ARCO Station 4931, 731 W. MacArthur Blvd., Oakland, California.**

Mr. Vargas and Ms. Lundquist discussed the progress at his site. The Remedial System underground and enclosure has been completed. Equipment installation and start-up will be performed once all equipment is received from the manufacturers. GeoStrategies Inc., anticipated start-up by the first part of November.

A passive product skimmer has been installed in Well W-8. A products pump will be installed in this well when the system is operational. Recovery Well are AR-1 was installed adjacent to Well A-4 to address product in the well. A report documenting the installation of additional recovery wells is in draft. This report is scheduled for completion by the end of October early November.

Ms. Hugo wanted TOG and lead analyzed for four-quarters to verify that groundwater has not been impacted. ARCO agreed to analyze Well A-2 for these constituents.

Following this discussion, the meeting adjourned for lunch at 12:15 p.m.

After the lunch break, at approximately 1:15 p.m., the meeting resumed with Mr. Michael Whelan, Ms. Susan Hugo, and Mr. Joel Coffman present.

**ARCO Station 6148, 5131 Shattuck Ave., Oakland, California.**

Discussion began with Ms. Hugo granting approval for work proposed in work plan (RESNA, September, 1992) for installation of additional onsite monitoring wells. The report containing the results to the additional well installations is due to the ACHCSA on February 1, 1993. There was a question concerning the recently submitted 2nd quarter monitoring report for the site in which floating product was reported at 0.5 feet in one of the monitoring wells. Mr. Coffman said he would check into the matter as this was probably a mistake. A follow-up letter with corrected tables showing the correct product thickness of 0.05 feet was sent to Ms. Hugo.

Ms. Hugo requested that one of the wells (MW-1 through MW-3) be tested for all waste oil constituents, including TOG, TPHd, metals, VOCs, and 8270 for a minimum of 4 consecutive quarters. If no waste oil constituents are found, analysis for those constituents will be discontinued.

Ms. Hugo agreed it would be reasonable to decommission two of the three closely spaced monitoring wells, MW-1 through MW-3, located near the former waste-oil tank at the southwestern corner of the site. The wells to be decommissioned will be determined upon installation of the proposed additional monitoring wells and using data from 1 quarter of

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November 4, 1992

monthly monitoring to establish the gradient at the site. The well to remain will be the well determined to be downgradient from the former waste-oil tank.

A work plan with proposed location of a groundwater recovery well, possible vapor extractions wells (if applicable), an aquifer test, and a vapor extraction test (if applicable) will be prepared and submitted to ACHCSA by March 1, 1993. The report documenting work in this work plan will be submitted to ACHCSA by August 1, 1993. A Remedial Action Plan (RAP) will begin to be prepared for the site as soon as results from the aquifer test and/or vapor extraction test are evaluated. The RAP is due to ACHCSA by September 1, 1993. The design and permitting of an interim remediation system at the site will begin in July, 1993, and is due to be completed by October 1, 1993. This schedule will allow for construction bids to be evaluated by November 1, 1993, which will provide a February 15, 1994 construction date for the interim remediation system. This schedule will place start-up of the system at April 1, 1994.

Following discussion of this site, Mr. Scott Seery of the ACHCSA joined Ms. Susan Hugo, Mr. Michael Whelan, and Mr. Joel Coffman for the remainder of the site discussions.

**ARCO Station 6041, 7249 Village Pkwy, Dublin, California.**

Discussion concerning this site began with Mr. Seery providing some groundwater monitoring data from sites on different corners of the same intersection as the ARCO 6041 site. These sites included Unocal, BP, and Oil Changers (former Shell Oil Station) sites. The information provided by Mr. Seery showed monitoring wells on the northern perimeter (closest to ARCO site) that had or continue to have much higher levels of gasoline hydrocarbons in groundwater than wells on the ARCO site. As ARCO had presented the ACHCSA a work plan in which part of the proposed work was installation of offsite groundwater monitoring wells, it was agreed the offsite portion of the work would not proceed until some of the other responsible parties were contacted by the ACHCSA. ARCO would proceed with the onsite portion of work proposed in the work plan, which included a records search to identify potential offsite sources of hydrocarbons, installation of additional onsite monitoring wells, installation of onsite vapor extraction wells, and performing a vapor extraction test. The report for this portion of the work is due to ACHCSA on February 1, 1993.

Following three months monitoring of the new and pre-existing monitoring wells at the site to determine optimal positioning of a groundwater recovery well (RW-1), RW-1 will be installed and an aquifer test will be performed at the site. The report with results of the installation of the recovery well and aquifer test is due to ACHCSA on August 1, 1993. A Remedial Action Plan is due to the ACHCSA on September 1, 1993, and design of an

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interim remediation system for the site is to be completed by November 1, 1993. With this schedule, construction bids should be secured by December 1, 1993, which will allow for construction of the interim remediation system to begin on February 1, 1994. This schedule provides for start-up of the system by April 1, 1994.

The offsite investigation was not placed on any definite schedule during the meeting due to information provided by Mr. Seery which showed the properties across the streets from the ARCO site (Unocal, BP, and former Shell sites) with groundwater impacted by greater concentrations of gasoline constituents than the ARCO site. This information concerning these properties across the street also indicated some of these sites with monitoring wells which are located near property boundaries (closest to the ARCO site) which contain groundwater with relatively high concentrations of gasoline constituents. Based on this information, it was agreed that any offsite investigation by ARCO will be delayed as other parties appear more likely to be responsible for offsite groundwater which may be impacted by gasoline constituents.

**ARCO Station 2152, 22141 Center St., Castro Valley, California.**

Discussion concerning this site was centered upon starting dates for construction of the soil vapor extraction system at the site. Mr. Whelan explained that the actual date for beginning construction at the site could vary anywhere from mid-November 1992 to mid-January 1993, due to internal ARCO factors associated with closing the station. Due to the amount of trenching to be performed for installation of remediation system piping, the site may have to be completely closed. In any event, the latest date given by ARCO for start-up of the system is March 15, 1993.

Groundwater has continued to contain non-detectable concentrations of gasoline hydrocarbons over the last few quarterly monitoring episodes and offsite investigation is not warranted. The extent of soils impacted by gasoline hydrocarbons has been delineated onsite.

**ARCO Station 601, 712 Lewelling Blvd., San Leandro, California.**

Mr. Seery said the contract between the City of San Leandro and ACHCSA was being worked out and was almost finished. He said this site was still considered to be in the deposit/refund section of oversight within the ACHCSA and would be transferred to the local oversight program (LOP) as soon as ACHCSA was granted the contract by the City. He requested a check from ARCO for \$601.00 for time he has spent reviewing the project at his \$71.00/hour rate.

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November 4, 1992

The response letter to Mr. Seery's letter of July 30, 1992 was discussed next. Mr. Seery wanted to have additional soil borings near the former waste-oil tank drilled and sampled for waste-oil constituents. He cited the high (287.1 ppm) lead content in samples previously collected from Boring B-6/MW-1 as rationale for this request. Mr. Whelan suggested we are proposing to stop any offsite migration of these compounds in groundwater with the proposed groundwater recovery system to be installed at the site and that ARCO would sample the perimeter well (MW-8) in the downgradient direction from the former waste-oil tank to ascertain that these compounds had not migrated to the site perimeter. It was pointed out that the soils at the site are very impermeable and migration of compounds from the former waste-oil tank would be very unlikely as evidenced by results from the ARCO vapor extraction test and the Aquifer test performed across the street from the site at the former Shell Station.

Mr. Seery would not agree with this proposal and asked that well MW-1, located near the former waste-oil tank be sampled and analyzed for waste-oil constituents. As this well has historically contained floating product, we explained that matrix interference would probably result. Discussion followed about laboratories as Mr. Seery stated that someone at Pace Laboratories had told him we could run analyses for halocarbons, metals, the 8270, and TOG without interference by the product in the well. It was agreed that this issue would be further explored. Mr. Seery stated that on some occasions, there was no product in well MW-1 but this had not coincided with our scheduled sampling dates. He suggested, and ARCO agreed to be ready to sample MW-1 on any occasion in which there is no product present.

ARCO suggested that we collect soil samples in proposed soil boring B-17, to be located in the southeast corner of the site, crossgradient from B-6/MW-1, and analyze them for lead content to establish background levels for lead at the site. This was suggested in response to Mr. Seery pointing out that B-6 contained lead at up to 130 ppm in samples collected below first-encountered groundwater at the site. As lead doesn't readily migrate downward through clays and silts, Mr. Whelan suggested this may be indicative of a regional problem with lead in soils.

Concerning Mr. Seery's assertion that ARCO may be required to investigate the deeper water-bearing zone for possible hydrocarbon impact, he stated this may be required in the future. He stated that boring logs from the site showed bioturbation and roots at depths up to 16-1/2 feet. Mr. Coffman pointed out that soil samples collected from the clay aquitard beneath the site contained nondetectable amounts of gasoline hydrocarbons and that according to the GeoStrategies report concerning the former Shell site across the street from the ARCO site, no deeper aquifer was encountered at depths up to 25 feet below ground surface.

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November 4, 1992

It was discussed that we would have the report of additional on and offsite investigation to Mr. Seery approximately 16 weeks from the date agreement was reached on scope of work to be performed and that this schedule may be altered due to city and other offsite encroachment concerns.


Discussion concerning the remediation schedule for this site included ARCO informing Mr. Seery of the fact that City Planning and Engineering Departments were requiring plans and specifications for the trench remediation system to be signed and stamped by a Professional Civil Engineer. ARCO also informed Mr. Seery that permitting delays can be expected due to the complex nature of the interim remediation system to be installed. These delays will move the anticipated start-up date for the system to the third quarter of 1993 and possibly into the fourth quarter 1993.

Discussion concluded with agreement that ARCO and Mr. Seery would speak again the week of October 5, 1992 concerning this site. The meeting was concluded at approximately 5:15 p.m.

Mr. Joel Coffman and Mr. Seery spoke on October 9, 1992 regarding ARCO's decision to proceed with drilling and sampling three soil borings in the vicinity of the former waste-oil tank, as Mr. Seery requested. These borings were drilled and sampled by RESNA on October 12, 1992 and samples from these borings will be analyzed for the waste-oil constituents as outlined in Table 2 of the Regional Water Quality Control Board's August 10, 1990 recommendations.

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

Sincerely,  
RESNA Industries Inc.

  
Joel Coffman  
Project Geologist

cc: Michael Whelan, ARCO Products Company  
Chris Winsor, ARCO Products Company  
John Meck, ARCO Legal Dept.  
John Jang, RWQCB  
Richard Hiatt, RWQCB  
John Vargas, GeoStrategies





Working To Restore Nature

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October 28, 1992  
69034.11

Mr. Scott Seery  
Alameda County Health Care Services Agency  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, California 94821


Subject: Review fees for Agency Oversight associated with Environmental Projects  
at ARCO Station 601, 712 Lewelling Boulevard, San Leandro, California.

Mr. Seery:

On behalf of ARCO Products Company and as discussed in our meeting at your offices on September 30, 1992, RESNA Industries Inc. is forwarding you a check in the amount of \$600.00. This is the amount you requested to be applied toward the deposit/refund account for the subject site. During the September 30, 1992 meeting, you informed Mr. Michael Whelan of ARCO and myself that this site will soon be transitioned to the local oversight program within your agency and ARCO would then be billed for agency review directly by the State of California. To date, we have yet to receive formal notification that this transition has occurred. Please inform us when the site is moved into the local oversight program.

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

Sincerely,  
RESNA Industries Inc.

  
Joel Coffman  
Project Geologist

cc: Michael Whelan, ARCO Products Company  
Ed Howell, Alameda County Health Care Services Agency



Working To Restore Nature

3315 Almaden Expressway, Suite 34  
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## TRANSMITTAL

TO: Mr. Scott Seery  
Alameda County Health Care Services  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, California 94621

DATE: October 28, 1992  
PROJECT NUMBER: 69034.11  
SUBJECT: Review Fees for ARCO Station  
601, 712 Lewelling Blvd., San Leandro, CA

FROM: Joel Coffman  
TITLE: Project Geologist

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1 check	10/27/92		RESNA Check #0853 - \$600.00. Review fees for the above subject site.

THESE ARE TRANSMITTED as checked below:

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

REMARKS: CC: Mr. Michael Whelan, ARCO Products Company  
Mr. Ed Howell, Alameda County Health Care Services Agency

Copies: 1 to RESNA project file no. 69034.11

**RESNA**

Working To Restore Nature

3315 Almaden Expwy., #34 San Jose, CA 95118 (408) 264-7723

EXPLANATION	AMOUNT
Review Fees	600.00

11-35  
1210

0853

OUNT

Six hundred dollars and 74/100 — DOLLARS

CHECK  
AMOUNT

DATE	TO THE ORDER OF	DESCRIPTION	CHECK NUMBER
9/27	ACHBSA	Job # 69034.11	853

\$ 600.00



BANK OF AMERICA Mission San Jose Branch 1095  
P.O. BOX 3368 FREMONT, CA 94538

*[Signature]*

⑈000853⑈ ⑆121000358⑆ 10956⑈03218⑈

October 12, 1992

92 OCT 14 PM 12:55

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

**ARCO Products Company Facilities in Alameda County**

Dear Ms. Hugo:

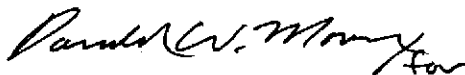
Please find attached, Quarterly Summary Reports (QSRs) for ARCO Products Company Service Stations in Alameda County. The QSRs summarize activities conducted by ARCO at the respective sites during the third quarter of 1992; also included are projected site activities for the fourth quarter of 1992 and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

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

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

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

Sincerely yours,



Kyle A. Christie  
Environmental Engineer

Attachments:           ARCO Facility QSRs

UST LEAK      Date of Last      Current  
SITE UPDATE      Review/Update      June 29, 1992      Date      September 25, 1992

#### SITE IDENTIFICATION

Name      ARCO Service Station 601      Case No. \_\_\_\_\_  
Address      712 Lewelling Boulevard  
                 Street Number      Street  
                 San Leandro      City      ZIP Code  
County      Alameda      Substance      Gasoline  
Local Agency      Alameda County Health Care Services Agency  
Regional Board      Regional Water Quality Control Board - San Francisco Bay Area

LEAD STAFF PERSON      ACHCSA-Scott Seery

#### CASE TYPE

\_\_\_\_\_ Undetermined      \_\_\_\_\_ Soil Only        X   Groundwater      \_\_\_\_\_ Drinking Water

#### STATUS (Date indicates when case moved into status)

_____ No Action Taken	
<u>  X  </u> Leak Being Confirmed	Date      5/89
<u>  X  </u> Preliminary Site Assessment Workplan Submitted	Date      11/89
<u>  X  </u> Preliminary Site Assessment Underway	Date      6/90
<u>  X  </u> Pollution Characterization	Date      3/91
<u>  X  </u> Remediation Plan	Date      11/91
_____ Remedial Action Underway	Date      _____
_____ Post Remedial Action Monitoring	Date      _____
_____ Case Referred to Regional Board (ACHCSA)	Date      _____
_____ Case Referred to Dept. of Health Services	Date      _____
_____ Case Closed	Date      _____

#### COMMENTS/MILESTONES:

USTs replaced and 550 cubic yards contaminated soil removed from site in January 1990 during tank replacement. Monthly bailing of product from wells (as needed) is ongoing. Submitted a proposal for an additional subsurface investigation and to design and permit on interim soil and groundwater remediation system on 11/11/91. Installed a Horner EZY floating product skimmer in MW-3 on 12/24/91. Submitted a remedial action plan for interim groundwater remediation on 3/6/92. Submitted a wastewater discharge permit application on 3/10/92. Initiated design of interim groundwater system. Installed one offsite well in August 1992.

#### RECENT ACTIVITIES/FINDINGS:

Last Quarter Activities: Perform quarterly monitoring and checked EZY skimmers in well MW-3. Continue with design of groundwater system.

Current Quarter Activities: Perform quarterly monitoring and checked EZY skimmers in well MW-3. Continue with design of groundwater system. Gained offsite access from one property owner, permitted, drilled and installed, and developed one offsite well. Submitted Addendum Five to Work Plan to regulatory agencies. Awaiting offsite access for installation of other wells.

#### ANTICIPATED ACTIVITIES:

Next Quarter Activities: Continue groundwater monitoring, complete design of groundwater treatment system and bid package for construction of remediation system and prepare quarterly groundwater monitoring report.

Continue to attempt to gain offsite access for additional offsite well installations.

Reports documenting the site's history are listed on page 2 & 3.

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Letter Report on Quarterly Groundwater Monitoring for Second Quarter 1992 69034.06	9/24/92	RESNA
Addendum Five to Work Plan 69034.10	9/14/92	RESNA
Letter Report Quarterly Groundwater Monitoring for First Quarter 1992 69034.06	5/5/92	RESNA
Letter Report Quarterly Groundwater Monitoring for Fourth Quarter 1991 69034.06	4/6/92	RESNA
Special Wastewater Discharge Permit Application 69034.07	3/10/92	RESNA
Addendum Four to Workplan for Interim Groundwater Remediation 69034.07	3/6/92	RESNA
Third Quarter 1991 Groundwater Monitoring Report at ARCO Station 601 69034.03	11/22/91	RESNA
Subsurface Environmental Assessment and Vapor Extraction System at ARCO Station 601 69034.04	10/21/91	RESNA
Quarterly Ground-Water Monitoring Second Quarter 1991 at ARCO Station 601 69034.03	7/2/91	RESNA
Site Safety Plan, Subsurface Environmental Investigation at ARCO Service Station 601, RESNA/AGS Report 69034.04S	5/21/91	RESNA/Applied GeoSystems
Addendum Two to Work Plan 69034.05	5/15/91	RESNA/Applied GeoSystems
Quarterly Ground-Water Monitoring First Quarter 1991 at ARCO Station 601 69034.03	3/24/91	RESNA
Work Plan for Subsurface Investigation and Remediation at ARCO Station 601, RESNA/AGS Report 69034-4W	3/21/91	RESNA
Addendum One to Work Plan at ARCO Station 601, RESNA Report 69034.04	3/21/91	RESNA/Applied GeoSystems
Subsurface Environmental Assessment at ARCO Station 601, RESNA/AGS Report 69034-2	12/14/90	RESNA/Applied GeoSystems
Quarterly Ground-Water Monitoring Forth Quarter 1990 at ARCO 601 69034.03	11/30/90	Applied GeoSystems
Tank Replacement Report, ARCO Service Station #601, San Leandro, California, GSI Report 7918-2	6/29/90	GeoStrategies, Inc.

REPORT

Proposed Scope of Work,  
ARCO Service Station #601,  
San Leandro, California,  
GSI Report 7918-2

Limited Environmental Site Assessment  
at ARCO Service Station No. 601,  
San Leandro, California,  
AGS Report 69034-1

DATE

11/14/89

11/9/89

CONSULTANT

GeoStrategies, Inc.

Applied GeoSystems

ARCO 712 Lawelling

① MW-1 / MW-3

- o X-contamination during sampling?
  - gas actuated positive displacement (bladder) pump
  - allow the sampler/pump to "purge" for several seconds
- o VOC/TPH<sup>7</sup> analyses (624) may pose a problem if high TPH-G concentrations present. However, the following should be OK:
  - halocarbons (601 - Hall detector)
  - TOC (6520)
  - semi VOCs (8270)
  - metals
- o be prepared to sample MW-1 when no FP noted (MW-3, also?)
  - NO FP (recently) -

MW-1  
1/19/92  
2/20/92  
4/21/92

MW-3  
5/16/91  
7/18/91  
4/21/92

② Waste oil tank area

- o no physical constraints precluding borings
- o distance from w.o. pit to MW-8 = ~90'
  - need intermediate well
  - " to evaluate extent of soil contamination



(3)

# Deeper aquifer

10/17/91 report

boring logs

MW-4, 5, 6, 7, 8

boring 11A,

B-10/

- boring [redacted] intercepted a deeper aquifer at 17' BG, & at 18.5' BG

clayey sand, same as shallower aquifer. NO SAMPLE COLLECTED FROM THIS AQUIFER, even though soil was collected. <sup>ANALYZED</sup>

Dec 14, 1990  
ALS  
report

boring logs [redacted] indicate disturbances or root strings in silty clay layer claimed to be "impermeable" in <sup>recent</sup> response

- boring logs [redacted] notes layers of gravelly-silt and noticeable product ~~adhere~~ at 12' BG; within "impermeable" zone; samples collected at 12 and 15 1/2' indicate detectable

TPH-G (12' sample) and BTEX

10/17/91  
report

- boring [redacted] showed ~~disturbances~~ samples from [redacted] at 12 1/2 and 16' BG indicate detectable ~~TPH~~ BTEX concentrations; ~~is in the "impermeable" zone~~

- samples from [redacted] at 12, ~~14.5~~, and 16.5' BG have detectable TPH, BTEX, TOC, and lead concentrations; ~~samples~~

9:00 AM

9/30/92

Meeting w/ Arco { Michael Wheland  
Jody Coffman  
\* will submit revised time schedule  
Updates:

# 2035- 1001 San Pablo Albany -  
July-1992. In site wells (6 wells)

MW4 > City of Albany  
MW5 > waiting incroachment permit  
Let us know (30 days) contact person to expedite  
permitting process (Cal Trans)  
Biweekly - bailing FP  
Approval - for 2 MWs on 2 corners - approved  
RW = had skimmer

Soil Vapor Report - finished by NOV.

Treatment System - scheduled July 1993  
Semi-confined area (both soil & groundwater  
treatment)

Bi well bailing

Vapor Extraction Test Report

Verbal approval of 2 on site

Design <sup>completed</sup> March 1992

System operating - July 1992

off site <sup>wells</sup> - 3/1/92

9/30/92

3310 Park Blvd. Oakland 946 ✓

November 1, 1992. Start up

On Schedule

Soil / Groundwater Treatment System

Install RW-1 Oct 19, 1992.

↳ Jan 1, 1992 - report in

~ on

10:00 AM - 10:30 AM

9800 E. 14th Street ✓ off site source

→ across the street for off site wells

City of Oakland Encroachment permit

→ proposal WP → Nov. 15, 1992

① Install RW - screened deepw

→ ② Aquifer Test not done performed ✓

③ Ground bench

2 months - delayed → due to contractor's problem

Site closed up to 6/92 due to tank replacement

RAP = 6/1/93

Release - 8/1/93

Equipment procurement 11/1/93

Start up - 1/94

2 months delay →

RAP - 5/1/93

9/30/92

12:30 - 10:45

566 Hegenburger Rd ✓ Oakland

2 off site wells installed

November

Tank replacement by November →  
no later than

# 10:45-

10600 MacArthur Blvd. ✓

PCE's soil

Trucked Shallow water bearing zone TPH

deper - 44 ft - 55 ft - VOC's contamination

Off site wells to be installed

Probes (1/2 in)

10700 MacArthur Blvd - suspect off site

Soil Vapor Extraction - being done

Time lines → on time (off site wells to be installed)

RAP - submitted but <sup>will</sup> not be done due to

PCE's in deper zone

June 1993 - due to access

VET

Aquifer Test  
off site

} Off ~~site~~ Jan 1, 1993

9/30/92

5131 Shattuck Ave Oakland 94609

Weathered gasoline

Approved & MW's Waste oil constituents  
Addendum to Q

3 MW's on site monitoring

Vapor Extraction to be added

Recovery well →  
Aquifer Test  
Vapor Test

12 weeks

Feb 1, 1993 - report on on site perimeter  
+ 3 months monitoring

March 1, 1993 - RCW Workplan

Aquifer Test -

(optimal) addition vapor test & 16 weeks

April 1 -

August 1, 1993 -

Start Design → ~~Design~~ July, 1992 → complete ~~design~~ by October  
RAP → (9/1/93)

(Product Skimmers → to submit)

11/1/93 → bid back (contract)

- 1- month to bid
- 2- months before construction

2/94- construction

4.1.94- Start-up

Jerry Drim → (RUBCB) access

9/30/92

2:25 PM

STIP 7249

7249 Village Hwy, Dublin 94568 ✓

Map of 3 corners

Additional Workplan - further Site Characterization  
3 Wells, Vapor Extraction Test  
Monitor for 3 months →  
Data - Oil Changes

Advance brings - 1 ft <sup>screened</sup> into H<sub>2</sub>O

all contamination - at capillary fringe]

WP <sup>from site installation</sup> approved delay till records search  
completed.

Verbal approval → by SS for installation of NW's

Time limits →

Aquifer Testing → Smearing / Stuffs out

Report by February 1, 1993 -

Complete Report August 1, 1993 (Aquifer Test, Recovery  
well off site wells)

RAP → 1 month after Report (September 1, 1992)  
Design - takes place as the RAP (November 1, 1992) ✓

{ Bill (1 month) to get back  
2/1/44 - construction  
(60 days)  
4/1/44 - start-up }



9/30/92

3:00-3:30

STID 3943

22141 Center Street, Castro Valley ✓

Systems ready to begin  
Trenching →  
Compump →

Construction  
November 1992  
December - January

Air permit delay - problems  
I.C. to run start up phase  
↳ separate permit since exceed 5 days

Worst case scenario → March 15, 1993

Submitted/Out sheets > Things may change  
As built

Also - had to give 30 days notice to  
operators before the ~~status~~ system  
can be installed?

P/R

3:30 PM -

7/2 Levelling Blvd.

San Leandro

94579



✓

San Leandro: to transfer to LOR

San Leandro letter July 30, 1992 by SS

Workplan <sup>initially</sup> address by SS → submitted

Groundwater problems →

Waste oil contamination in soil not defined

→ need more soil borings especially Pb

AW-1

287 Pm 1/26

Semi-annually 7 ft at AW-1 for waste oil constituents

Free Product: to test

Can not test GC/MS or TPH analysis but can test for 601 (Halo carbons) to prevent matrix interference

but test for O & G, Halo carbons can be done

① MW-1 boring to test for waste oil  
→ sampling attempt <sup>no</sup> (waste oil constituents can be deep)

- Boring around the tank →
- Background total lead

9-12 (3 hrs) } 6.8 hrs  
1:15-5:15 (3.5 hrs)

9/30/92

Water oil tank →  
5520 D&E

Need more time due to permits requirements  
- deeper aquifer - Oct. 1991 Report  
MW-5

Vertically ~  
- potential migration into deeper aquifer  
- French system + <sup>map (12 feet to clay)</sup> ~~shoring~~ shoring - Building  
↳ needed a lot of permits (dept. OSHA;  
- as built systems

16 wks boring - out  
from approval by SS  
~~and test~~

- March 1993 - report comes out (  
- Feasibility for soil (6 ft below soil)

Unit test - continuous  
aquifer test in shell - didn't work →  
200 Gallons/day → beneficial use of groundwater

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

92 SEP 25 11:47

September 23, 1992  
0923shgo

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


Subject: Proposed Agenda for Meeting at your office on September 30, 1992.

Dear Ms. Hugo:

We have prepared this proposed agenda for the meeting we have scheduled at your office on September 30, 1992. This meeting will be for discussion of sites under direction of Mr. Richard Hiatt and Mr. John Jang of the Regional Water Quality Control Board (RWQCB). We understand these RWQCB personnel may not be able to attend the entire meetings but may be able to stop by for site specific discussions. A separate meeting to discuss sites overseen by Mr. Eddie So of the RWQCB will have to be scheduled at another date as he has other agencies involved with many of his sites.

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

Sincerely,  
RESNA Industries, Inc.

  
Joel Coffman  
Project Geologist

cc: Michael Whelan, ARCO Products Company  
John Jang, RWQCB  
Richard Hiatt, RWQCB  
John Vargas, GeoStrategies

September 21, 1992

Proposed Agenda for September 30, 1992 ACHCSA Meeting

<u>ARCO Station</u>	<u>ACHCSA Staff</u>	<u>RWOCB Staff</u>	<u>Cnsltnt</u>
# 276, 10600 MacArthur Blvd.	Barney Chan	Richard Hiatt	RESNA
# 2035, 1001 San Pablo, Albany	Barney Chan	Richard Hiatt	RESNA
# 2107, 3310 Park Blvd.	Barney Chan	Richard Hiatt	RESNA
# 2185, 9800 E. 14th St.	Barney Chan	Richard Hiatt	RESNA
# 4494, 566 Hegenberger Rd.	Barney Chan	Richard Hiatt	RESNA
# 374, 6407 Telegraph Ave.	Susan Hugo	Richard Hiatt	RESNA
# 2112, 1260 Park St., Alameda	Susan Hugo	Richard Hiatt	G/Ryan
# 2169, 899 W. Grand Ave.	Susan Hugo	Richard Hiatt	G/Ryan
# 4931, 731 W. MacArthur	Susan Hugo	Richard Hiatt	G/Ryan
# 6148, 5131 Shattuck Ave.	Susan Hugo	Richard Hiatt	RESNA
# 6041, 7249 Village Pkwy, Dublin	Scott Seery	Richard Hiatt	RESNA
# 2152, 22141 Ctr. St., Castro Valley	Scott Seery	Richard Hiatt	RESNA
# 601, 712 Lewelling Bd., San Leandro	Scott Seery	John Jang	RESNA

00 - 10:30

30 - 12:00

1:00 - 3:00



A RESNA Company

**RESNA**

Working To Restore Nature

92 SEP 17 11:12:50

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

## TRANSMITTAL

TO: Mr. Scott Seary  
Alameda County Health Care Services  
80 Swan Way, Room 200  
Oakland, California 94624

DATE: September 11, 1992  
PROJECT NUMBER: 69034.08  
SUBJECT: ARCO Station 601, 712  
Lewelling Boulevard, San Leandro, CA

FROM: Joel Coffman  
TITLE: Project Geologist

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1	9/11/92	69034.08	Response to letter from Alameda County Health Care Services Agency dated, July 30, 1992.

THESE ARE TRANSMITTED as checked below:

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

REMARKS:

Copies: 1 to RESNA project file no. 69034.08

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

**September 11, 1992**  
69034.08

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

**Subject: Response to letter from Alameda County Health Care Services Agency dated July 30, 1992, concerning ARCO Station 601 located at 712 Lewelling Boulevard, San Leandro, California.**

**Dear Mr. Seery:**

This letter is submitted in response to your letter dated July 30, 1992, concerning additional work required to define the lateral and vertical extent of soil and groundwater contamination at the above referenced subject site. Your concerns as presented in the letter are addressed in the order in which they appear in your letter.

- 1) Additional wells/boring are needed in three (3) areas along the eastern edge of the site.**
  - i) east of the fuel tank pit**
  - ii) eastern service island**
  - iii) near the southeast corner of the site, east of well MW-1**

An Addendum to Work Plan will be prepared for your review which will include additional monitoring wells and proposed locations for these wells.

- 2) Soil contamination associated with the waste oil tank area has not been defined. An appropriate number of wells and borings are needed in this area.**
- 3) Total lead found in soil sampled from boring B-6 (MW-1), 287.1 ppm, exceeded 10 x the Soluble Threshold Limit Concentration (STLC) for this compound. Title 22, California Code of Regulations (CCR), requires that a Waste Extraction Test (WET) be performed to determine if this soil constitutes a hazardous waste. Future investigations in the area of the waste**

oil pit (item 2) must incorporate such additional analyses should they be warranted.

Due to physical constraints (active service station building) posed at the site which prevents drilling of soil borings and/or excavation of soils in the area surrounding the former waste-oil tank, we are unable to fully define impact to soil in this area at the site. However, ARCO is interested in determining if levels of constituents commonly associated with waste-oil tanks have migrated in groundwater to the downgradient perimeter of the site. Therefore, we propose to analyze groundwater samples collected from monitoring well MW-8, located near the downgradient (from the former waste-oil tank) site perimeter for these constituents as recommended in Table 2, August 1990 RWQCB "Recommended Minimum Verification Analyses". Historically, this well has not contained floating product. If it is determined that further investigation of soils associated with the former waste-oil tank is necessary, ARCO will include this as part of any future property transfer as required at the time of transfer. Due to the results of the vapor extraction test at the site and the aquifer test at the former Shell Station site across Lewelling Boulevard to the north, which showed soils will not be treatable by vapor extraction and the aquifer will not sustain a pumping rate, ARCO has determined to proceed with installation of the interim groundwater remediation system which is designed to prevent migration of impacted groundwater from the site by use of a collection trench as outlined in the Addendum Four to Work Plan (RESNA, March 1992).

- 4) Because of the presence of free-phase hydrocarbons since July 1990, water from well MW-1 has never been sampled and analyzed for dissolved constituents. Hence, we are unaware at this time what contaminants are present in ground water near the former waste oil tank. Therefore, following removal of free-phase hydrocarbons from this well, groundwater shall be sampled during the next two (2) sampling events, at a minimum.

We have not previously sampled MW-1 due to problems associated with obtaining a representative groundwater sample from this well which contains floating product without contaminating the groundwater sample with the floating product. According to laboratory managers of several state-certified laboratories, analysis of groundwater samples collected through floating product usually results in cross-contamination between the matrix phases. The constituents within the floating product sheen tend to mask other constituents which may or may not be present in the groundwater. This is especially true for total petroleum hydrocarbon as diesel (TPHd) and halogenated volatile organic compounds (VOCs). To analyze for the waste-oil related constituents in a sample containing floating product or very high concentrations of dissolved phase gasoline hydrocarbons, the sample must be diluted significantly, which raises the laboratory detection limits significantly for TPHd and VOCs.



Therefore, if small amounts of these compounds were present in the sample, the raised detection limits (result of necessary dilution of sample) are usually too high for TPHd or VOCs to be detected. We are currently unaware of a method which successfully allows for collection of a representative groundwater sample when in the presence of floating product without cross-contaminating between the phases.

by which  
method?  
624?  
601??

- 5) Evaluation of impacts to the underlying deeper aquifer may be required in the near future.

As the Regional Water Quality Control Board issues these directives or finds evidence that the deeper aquifer may be impacted, ARCO will address accordingly. However, we do not anticipate the need to investigate the deeper aquifer for hydrocarbon impact based on laboratory results from soil samples collected from depths below initial groundwater in the underlying confining clay layer at the site. The soil samples collected from beneath the former Underground Storage Tanks (USTs) in January 1990, at an approximate depth of 14 feet, indicated nondetectable levels of total petroleum hydrocarbons as gasoline (TPHg, less than 10 ppm). The soil samples collected and analyzed in June of 1990, from borings B-6 through B-8, and in May of 1991, from borings B-9 through B-13, indicated nondetectable levels (less than 1.0 ppm or 10 ppm) of TPHg from depths of 11-1/2 to 16-1/2 feet below ground surface. Based on these analytical results, the results of the vapor extraction test and the results of the aquifer test performed at the former Shell Station north of the site, we have determined the soils at the site to be very impermeable and not conducive for migration through the clay layer underlying the site.

samples?

next tests  
for permeability  
in permeable  
clay

- 6) Upon complete evaluation of the extent of soil contamination at this site, a Corrective Action Plan (CAP) must be developed to address the need to remediate the soil, in addition to the "interim" ground water remediation system outlined in Appendix 4 to Work Plan.

Results of the vapor extraction test (RESNA, October 1991) showed the impermeable soils will be very difficult to remediate at this site with in situ methods. Soils impacted by hydrocarbons at the site are mostly limited to those found in the capillary fringe zone and appear to be related to the seasonal fluctuation of groundwater levels. As stated above, ARCO is proceeding with design and permitting of the interim groundwater remediation system at the site which will incorporate use of a collection trench. This groundwater collection trench will help address the soil problem as it is related to fluctuations in groundwater.

Letter of Response  
ARCO Station 601, San Leandro, California

September 11, 1992  
69034.08

As requested, we will send you a copy of engineering as-built diagrams and equipment manufacturer's cut sheets upon installation of the system at the site.

In our telephone conversation of July 30, 1992, you mentioned that a new agreement between the Alameda County Health Care Services Agency and the City of San Leandro had been reached concerning regulatory oversight for sites located within the City of San Leandro. You also said that formal notification of this agreement was soon to be issued. To date we have not received a copy of this agreement. We request that ARCO and RESNA be sent written notification of changes in agency oversight responsibilities.

If you have any questions or comments, please contact us at (408) 264-7723 or Mr. Michael Whelan of ARCO at (415) 571-2449. Thank you.

Sincerely,  
RESNA Industries Inc.



Joel Coffman  
Project Geologist

cc: Michael Whelan, ARCO  
John Jang, RWQCB  
Rafat A. Shahid, ACHCSA

17760 Sweetbriar Place  
Castro Valley, CA 94546  
September 5, 1992

A.R.C.O. Products  
Legal Division  
1055 West Seventh Street  
Box 2570  
Los Angeles, CA 90051-0570  
Attn: John Meck

CALIF. REG. WATER  
SEP 09 1992  
QLTY. CONTROL BOARD

Re: A.R.C.O. Monitoring wells at 724 Lewelling Boulevard, San Leandro, California

Dear Mr. Meck:

I would like to make a few points regarding your September 3, 1992 letter.

1. It is my right, as a property owner, to dictate the conditions under which I permit another party on to my property for any reason. Any delay thus far is the result of A.R.C.O.s unwillingness to acknowledge their responsibility.

2. The notion, that the level of contamination remains to be determined and, therefore, cannot be addressed, is redundant. Such reasoning is inconsistent and does not make for a valid argument. It is as absurd as a fire insurance company refusing to insure my house because there might be a fire. The insurance company would certainly insure it. If the house burns they compensate, if it doesn't it is not an issue. When applied to such a case, A.R.C.O.s reasoning would propose that "We wait and see if there is a fire."

Let us change positions for a moment. If I were to approach A.R.C.O. with facts that almost assure that contamination has migrated from my property, would you not insist that I:

A. Remove such contamination

B. Acknowledge responsibility for any loss of value or loss of income

Certainly, acting in the capacity of Legal Council, you would be remiss in your duties if you settled for less.

Let us dismiss with the rhetoric--A.R.C.O. must accept responsibility. Certainly I would be expected to substantiate any claims and take all reasonable steps to avert and mitigate any third party claims. Accordingly, I am submitting what I would consider signing relative to "3.10.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

August 4, 1992

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

Mr. Michael Whelan  
ARCO Products Company  
2000 Alameda de las Pulgas  
P.O. Box 5811  
San Mateo, CA 94402

RE: ARCO STATION #601, 712 LEWELLING BLVD., SAN LEANDRO

Dear Mr. Whelan:

The account established to cover county costs during oversight of the environmental investigation at this site is presently \$247 in arrears. Please remit a payment of \$600 to cover the present account deficit and future county costs for the next several months.

Your prompt attention to this matter is greatly appreciated. Please call me at 510/271-4530 should you have any questions.

Sincerely,

  
Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Env. Health files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

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

July 30, 1992

Mr. Joel Coffman  
RESNA Industries  
3315 Almaden Expressway, Ste. 34  
San Jose, CA 95118

Mr. Michael Whelan  
ARCO Products Company  
2000 Alameda de las Pulgas  
P.O. Box 5811  
San Mateo, CA 94402

RE: ARCO SERVICE STATION 601, 712 LEWELLING BOULEVARD, SAN  
LEANDRO

Dear Messrs. Coffman and Whelan:

This letter follows my telephone conversation today with Mr. Coffman, and the receipt of the July 29, 1992 letter proposal from RESNA for the installation of an additional monitoring well, designated MW-14. Well MW-14 will be constructed on an adjoining property to the south of the subject site, located at 15301 Lewelling Boulevard.

This well installation has been approved by this office.

Mr. Coffman and I had the opportunity today to discuss several topics associated with the current status of the investigation, and future actions planned for the site. Mr. Coffman indicated that permitting for the planned remediation system at the site, as outlined in the March 3, 1992 RESNA Addendum 4 to Work Plan, was on schedule. I requested that engineering drawings and equipment manufacturer's cut sheets for this system be submitted.

Mr. Coffman and I further discussed additional work required to more fully define the lateral and vertical extent of soil and ground water contamination at the site, as follows:

- 1) Additional wells/borings are needed in three (3) areas along the eastern edge of the site:

- i) east of the fuel tank pit
- ii) eastern service island
- iii) near the southeast corner of the site, east of well MW-1

Messrs. Coffman and Whelan  
RE: 712 Lewelling Blvd., San Leandro  
July 29, 1992  
Page 2 of 3

- 2) Soil contamination associated with the waste oil tank area has not been defined. An appropriate number of wells and borings are needed in this area.
- 3) Total lead found in soil sampled from boring B-6 (MW-1), 287.1 ppm, exceeded 10 x the Soluble Threshold Limit Concentration (STLC) for this compound. Title 22, California Code of Regulations (CCR), requires that a Waste Extraction Test (WET) be performed to determine if this soil constitutes a hazardous waste. Future investigations in the area of the waste oil pit (item 2) must incorporate such additional analyses should they be warranted.
- 4) Because of the presence of free-phase hydrocarbons since July 1990, water from well MW-1 has never been sampled and analyzed for dissolved constituents. Hence, we are unaware at this time what contaminants are present in ground water near the former waste oil tank.

Therefore, following removal of free-phase hydrocarbons from this well, ground water shall be sampled during the next two (2) sampling events, at a minimum. Analyses shall adhere to those for waste oil constituents outlined in Table 2, August 1990 RWQCB "Recommendations." Future sampling will be determined following review of these results.

- 5) Evaluation of impacts to the underlying deeper aquifer may be required in the near future.
- 6) Upon the complete evaluation of the extent of soil contamination at this site, a **Corrective Action Plan (CAP)** must be developed to address the need to remediate the soil, in addition to the "interim" ground water remediation system outlined in Appendix 4 to Work Plan.

Please submit a brief work plan addendum addressing the tasks outlined in items 1 - 3, above. This addendum should be submitted within 45 days of the date of this letter. Please also submit the remediation engineering drawings and cut sheets in a timely fashion.

Messrs. Coffman and Whelan  
RE: 712 Lewelling Blvd., San Leandro  
July 30, 1992  
Page 3 of 3

Please call me at 510/271-4530 should you have any questions.

Sincerely,



Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Env. Health  
Gil Jensen, Alameda County District Attorney's Office  
John Jang, RWQCB  
Susan Hugo, ACDEH  
files

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD**  
**SAN FRANCISCO BAY REGION**  
2101 WEBSTER STREET, SUITE 500  
OAKLAND, CA 94612

July 30, 1992  
UST Files (JMJ)

Phone: (510) 464-1255  
FAX: (510) 464-1300



Mr. John Sullivan  
Emerald Properties  
P. O. Box 314  
San Lorenzo, CA 94580

Mr. Mike Whelan  
ARCO Products Company  
2000 Alameda de las Pulgas  
P. O. Box 5811  
San Mateo, CA 94402

Dear Mr. Sullivan and Mr. Whelan:

**SUBJECT: Technical Report for 724 Lewelling Blvd. San Leandro, Alameda County**

In my letter dated May 11, 1992, pursuant to Water Code Section 13267, I requested Mr. Sullivan to submit a technical report (or provide access to Arco to do the work) regarding the above site. In my June 12, 1992 letter, I reiterated this request and directed it to Arco as well. The requested report has not been submitted nor has an adequate access agreement been executed to allow the work to proceed. Consequently, a violation of Water Code 13267 has occurred.

In view of the above failure to submit the technical report, I intend to issue a complaint for administrative civil liability. This failure has caused the groundwater investigation and cleanup to be delayed several months. It is not acceptable to have groundwater investigations significantly delayed due to disagreements between the responsible parties. The disagreements should be addressed in a forum separate from the technical investigation.

I understand that Mr. Sullivan is away until August 10th. Upon his return, please attempt to immediately resolve the remaining access disagreements. If you are unsuccessful, I request that you meet with our legal counsel, Gary Grimm, in a final attempt to resolve the issue. If this is resolved, it will not be necessary for me to issue a complaint.

Please call John Jang of my staff at (510) 464-0554 by August 17 to advise him of the status of this matter and, if necessary, to arrange the specific time for a meeting with our legal counsel.

Sincerely,

STEVEN R. RITCHIE  
Executive Officer

cc: Joel Coffman, RESNA  
Robert Weston, Alameda Co. Health Care Services Agency



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

JMJ



July 29, 1992  
QUALITY CONTROL BOARD

Mr. Gary Grimm  
California Regional Water Quality Control Board  
2101 Webster Street, Suite 500  
Oakland, California 94612

Re: Investigation at 724 Lewelling Boulevard, San Leandro, California.

Dear Mr. Grimm:

In our phone conversation on July 28, 1992, you stated that Mr. Sullivan submitted a license agreement to you for granting ARCO Products Company (ARCO) encroachment permission to install ground water monitoring wells on his property. You also indicated that the license agreement contained the following language under section 3.10 of the license agreement, "... and/or for monetary compensation resulting from loss of income or loss of value suffered by Sullivan as a result of said pollution." ARCO has never agreed to this language in this license agreement. However, we did fax a signed license agreement to Mr. Sullivan on July 2, 1992 which states the following: "...if it is determined that pollution from ARCO property has migrated to Sullivan property, then ARCO hereby acknowledges responsibility for removal of such pollution." As you know, we submitted this license agreement, signed by ARCO, to Mr. Sullivan on July 2, 1992 with a copy also submitted to you.

Because ARCO and Mr. Sullivan have not agreed on a license agreement, ARCO can not continue with the offsite investigation on Mr. Sullivan's property. We understand that a meeting will be set up by the RWQCB to resolve these differences with Mr. Sullivan. ARCO will be happy to attend this meeting but we are skeptical that this issue can be resolved with Mr. Sullivan. Based on ARCO's inability to obtain a reasonable license agreement from Mr. Sullivan, it is ARCO's opinion that Mr. Sullivan conduct his own site assessment on his property, as previously requested of him in correspondence submitted by the RWQCB on May 11, and June 12, 1992.

Mr. Gary Grimm  
July 29, 1992  
page 2

Please let us know what your position is on this. If you have any questions,  
please contact me at (415) 571-2449.

Sincerely,

A handwritten signature in cursive script, appearing to read "Michael R. Whelan".

Michael R. Whelan  
Environmental Engineer

cc:

✓ John Jang, RWQCB  
Lester Feldman, RWQCB  
Chris Winsor, ARCO  
John Meck, ARCO  
Joel Coffman, Resna

92 JUL 27 PM 2:40

LEWELLING ARCO  
712 Lewelling Blvd.,  
San Leandro, CA 94579

July 20, 1992

Mr. T.R. Murphy  
Vice President  
ARCO Products Company  
17315 Studebaker Road  
Cerritos, CA 90701-1488

Subject: Alameda County's Environmental  
Enforcement Lawsuit Against  
Arco Products Company  
Reference: Facility number 601

Dear Mr. Murphy:

In connection with above subject, I would like to state the following matters to clarify that as a dealer I have taken all possible actions to meet dealer's contract rules and regulations.

1. I am enclosing a copy of hazardous materials division inspection form, Dept of Environmental Health, Alameda County and correspondance letter with Mr. F.C. Holgate.
2. On January 20, 1992 at the facility there was an electricity failure (out of electricity) for a time of minimum five minutes. When electricity was back, there were problems with aromatic machine and electronic leak detector unit. It was not possible to reset button for red lights on electronic leak detector unit. Facility was closed down for few hours for sale. I have informed Arco Emergency Maintanance to correct these problems. Sun-electric person took care of aromatic problem and informed us that some one will be here to take care of electronic leak dector unit.
3. No one show up for remaining problem till I and Alameda County Health Agency specialist called Arco emergency maintanance on Jan 23,92 morning informing that it is not possible to reset unit.
4. Due to faulty wiring or other mechanical problems, I personally strongly believe that this is something Arco products company have to take care immediately. As a dealer, I was not at a fault.

Because of these four points I have nothing to do with this lawsuit. It is inbetween Arco products company and Dept of Environment Health, Alameda County.

Thanking you.

Sincerely,



Arvind M. Shah

Arco Delear

COPY TO: Division Of Hazardous Materials  
Dept of Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

94 JUL 12 10:24

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

## TRANSMITTAL

TO: Dr. Gary Sherrill  
15301 Washington Avenue  
San Leandro, California 94579

DATE: July 9, 1992  
PROJECT NUMBER: 69034.08  
SUBJECT: See Below

FROM: Robert D. Campbell  
TITLE: Staff Geologist

WE ARE SENDING YOU: Attached letter

COPIES	DATED	NO.	DESCRIPTION
1	7/1/92	69034.08	Request for Access to Install One Groundwater Monitoring Well at 15301 Washington Avenue, San Leandro, 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

REMARKS: Please review, sign and return this copy of the License Agreement for ARCO's completion. A signed copy will be returned to you.

cc: Michael Whelan, ARCO Products Company  
Chris Winsor, ARCO Products Company  
Joel Coffman, RESNA Industries  
~~Scott Seery~~, AGHCSA  
John Jang, RWQCB

Copies: 1 to RESNA project file no. 69034.08

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

July 8, 1992  
0708GYSL  
69034.08

Dr. Gary Sherrill  
15301 Washington Avenue  
San Leandro, California 94579

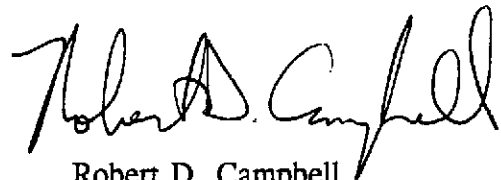
Subject: Request for Access to Install One Groundwater Monitoring Well at 15301  
Washington Avenue, San Leandro, California.

Dear Dr. Sherrill:

As per our phone conversation on July 8, 1992, enclosed is the second license agreement to drill and install one (1) groundwater monitoring well on your property as part of an offsite subsurface environmental investigation. Please sign and return the license agreement in the enclosed self addressed envelope and ARCO Products Company (ARCO) will counter sign the agreement and send you a copy.

If you or the property owners have any questions regarding this matter, please call us at (408) 264-7723.

Sincerely,  
RESNA Industries



Robert D. Campbell  
Staff Geologist

cc: Michael Whelan, ARCO Products Company  
Chris Winsor, ARCO Products Company  
Joel Coffman, RESNA Industries  
Scott Seery, ACHCSA  
John Jang, RWQCB

Enclosure: License Agreement Between Dr. Gary Sherrill and ARCO Products  
Company (1 copy)

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

**LICENSE AGREEMENT  
BETWEEN DR. GARY SHERRILL  
AND ARCO PRODUCTS COMPANY**

This license Agreement is made on the 1st day of July, 1992, between Dr. Gary Sherrill, private owner, hereinafter referred to as "licensor" and ARCO Products Company, a division of Atlantic Richfield Company, hereinafter referred to as "licensee".

**1. RECITALS**

- 1.1 Licensor owns certain real property at 15301 Washington Avenue, San Leandro, in the state of California (the "Property").
- 1.2 Licensee desires to drill on a portion of the Property, and install one (1) groundwater monitoring well (MW-1~~2~~) as depicted on Plate 2, attached hereto and made part hereto and to perform other work on the property as required by and in accordance with applicable environmental laws and regulations, and as required by and acceptable to the Alameda County Health Care Services Agency (ACHCSA) and the Regional Water Quality Control Board (RWQCB).
- 1.3 The parties desire to enter into this License Agreement to allow licensee to install said groundwater well on the Property and to give access to the property to licensee or its representatives for the purpose of drilling and installing one (1) groundwater monitoring well authorized by this License Agreement.

**2. AGREEMENT**

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree to and with each other as follows:

### 3. TERMS

- 3.1 Licensee or its representatives may drill, use, backfill, and construct at its sole cost and expense, one (1) groundwater well on the Property. Licensee or its representatives may enter onto the Property for the purpose of performing the drilling and installing of one (1) groundwater monitoring well authorized by this License Agreement. Licensor hereby authorizes Licensee or its representative to release any and all analytical geotechnical data and site assessment information obtained during the installation of one (1) groundwater monitoring well to the ACHCSA and RWQCB.
- 3.2 Licensee agrees not to permit any liens to stand against the Property for work done or materials furnished to licensee, and licensee agrees to indemnify and hold *licensor harmless* from any such liens for drilling and installing one (1) groundwater monitoring well performed under this License Agreement.
- 3.3 If the surface of the of the Property or any improvements thereon shall be disturbed by the emplacement of the Licensee's drilling and installing one (1) groundwater monitoring well, then upon completion of drilling and installing one (1) groundwater monitoring well thereunder, said surface or improvements shall be promptly restored by Licensee to its condition just prior to such disturbance.
- 3.4 Licensee shall, after completion of groundwater monitoring well is no longer useful to the investigation, backfill or close said groundwater monitoring well according to applicable standards.
- 3.5 Licensee agrees to indemnify, defend, and save licensor harmless from all liability, damage, expense, causes of action, suits, claims, or judgements including reasonable attorneys fees, resulting from injuries to person or damage to property on the licensed area or on adjoining streets and sidewalks which arise out of the act, failure to act, or negligence of licensee, its agents, employees, invitees, or guests in performing work under this License Agreement.
- 3.6 This License Agreement may be terminated by either party upon thirty (30) days' prior written notice.
- 3.7 Licensee shall use its best efforts to locate the groundwater monitoring well in such a manner so as not to unreasonably interfere with Licensor's use and occupation of the Property.
- 3.8 By executing this Agreement, or conducting any Work thereunder, Licensee does not waive any rights it may have against any other person or entity in connection with any contamination such as may actually or allegedly exist at or in the vicinity of the Property.



3.9 Neither this Agreement nor any Work thereunder shall constitute or be interpreted or construed as an admission by licensee of liability or fault under any federal, state, or local law, or for any purpose whatsoever.

In witness whereof, the parties hereto are authorized to and have executed this License Agreement as of the 1st day of July, 1992.

**ARCO Products Company**

**Dr. Gary Sherrill**

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



***Emerald Properties***  
Box 314 San Lorenzo  
Cal, 94580

RECEIVED  
JUL 14 1992  
COUNTY CLERK

17760 Sweetbriar Place  
Castro Valley, California 94546  
July 3, 1992

Mr. Gary Grimm  
California Regional Water Board  
2101 Webster Street, Suite 200  
Oakland, California 94612

RE: A.R.C.O. Station, 712 Lewelling, San Leandro

Dear Mr. Grimm:

In our conversation of July 2, 1992, I explained the logic of having A.R.C.O. acknowledge responsibility for any potential monetary damages.

I have added language covering this and I have signed a contract permitting drilling. I appreciate your understanding on this matter.

Sincerely,

John Sullivan

JS:cr

CM0005.JS

cc: Michael Whelan, A.R.C.O. Products, Box 5811, San Mateo, California 94402



***Emerald Properties***  
Box 314 San Lorenzo  
Cal, 94580

17760 Sweetbriar Place  
Castro Valley, California 94546  
July 3, 1992

Mr. Michael Whelan  
A.R.C.O. Products  
Box 5811  
San Mateo, California 94402

RE: Contract - 724 Lewelling, San Leandro, California

Dear Mr. Whelan:

The enclosed contract has been signed, with the language covering A.R.C.O. responsibilities relative to potential monetary losses, included.

As earlier explained, I will be out of area through August 10, 1992. If access is required prior to my return, please make arrangements with my son, Jack Sullivan. He can be reached at 510-538-9496 or 510-538-9608.

FAX NO. 889-7719

Sincerely,

John Sullivan

JS:cr  
Enclosure  
CM0004.JS

cc: Mr. Gary Grimm, California Water Control Board, 2101 Webster Street, Suite 200,  
Oakland, California

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

**LICENSE AGREEMENT  
BETWEEN JOHN SULLIVAN  
AND ARCO PRODUCTS COMPANY**

This license Agreement is made on the 6th day of January, 1992, between John Sullivan, private owner, hereinafter referred to as "licensor" and ARCO Products Company, a division of Atlantic Richfield Company, hereinafter referred to as "licensee".

**1. RECITALS**



- 1.1 Licensor owns certain real property (the "Property") at 724 Lewelling Boulevard, San Leandro, in the state of California.
- 1.2 Licensee desires to drill on a portion of the Property, two (2) groundwater wells as depicted on Plate 2, attached hereto and made part hereof.
- 1.3 The parties desire to enter into this License Agreement to allow licensee to install said groundwater wells on the Property.
- 1.4 Neither this License Agreement nor any of the terms hereof shall be construed as an admission of liability by Licensee for any contamination, alleged or otherwise, on the licensed area of any adjoining property.

**2. AGREEMENT**

Now, therefore, in consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree to and with each other as follows.

**3. TERMS**

- 3.1 Licensee may drill, use and backfill at its sole cost and expense, two (2) groundwater wells on the Property located at 724 Lewelling Boulevard, San Leandro, California.

- 3.2 Said groundwater wells shall be completed as shown on Plate 2 attached hereto and made part hereof.
- 3.3 Licensee, upon prior notification to licensor, may enter the Property to monitor and sample the two (2) groundwater wells.
- 3.4 Licensee agrees not to permit any liens to stand against the Property for work done or materials furnished to licensee, and licensee agrees to indemnify and hold licensor harmless for same.
- 3.5 If the surface of the licensed are and/or the surface of licensor's adjacent real property and/or improvements thereon shall be disturbed by the emplacement or the backfill of licensee's groundwater wells, then said surface and/or improvements shall be promptly restored by licensee to their condition just prior to such disturbance.
- 3.6 Licensee shall, after completion, backfill said borings pursuant to this License Agreement, or after the groundwater wells are no longer useful to the investigation, destroy the groundwater wells according to the standards set forth by the appropriate State agency.
- 3.7 Licensee agrees to indemnify, defend, and save licensor harmless from all liability, damage, expense, causes of action, suits, claims, or judgements resulting from injuries to person or damage to property on the licensed area or on adjoining streets and sidewalks which arise out of the act, failure to act, or negligence of licensee, its agents, employees, invitees, or guests in performing work under this License Agreement.
- 3.8 This License Agreement shall not constitute a deed or a grant of easement and shall not be deemed irrevocable or an easement by virtue of the work performed under or by reason of this license.
-  3.9 This License Agreement may be terminated by either party upon thirty (30) days prior written notice. Termination does not release Licensor or Licensee of their respective obligations as outlined, Recitals 1.1 through 3.10, this contract.
-  3.10 It is acknowledged that as of this date, no pollution has been detected in Sullivan property. If it is determined that pollution from A.R.C.O. property has migrated to Sullivan property, then A.R.C.O. hereby acknowledges responsibility for removal of such pollution and/or for monetary compensation resulting from loss of income or loss of value suffered by Sullivan as a result of said pollution.

In witness whereof, the parties hereto have executed this License Agreement as of the day and year first above written.

ARCO Products Company

By: Michael R. Whelan

Title: ENVIRONMENTAL CONSULTANT

Date: July 2, 1992

John Sullivan

By: John J. Sullivan

Title: Owner

Date: 3<sup>rd</sup> July 1992

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

CALIFORNIA REGIONAL WATER  
JUL 7 1992  
QUALITY CONTROL BOARD



July 2, 1992

Mr. John Sullivan  
17760 Sweetbriar Place  
Castro Valley, California 94546

Re: Response to your Letter Dated July 1, 1992 Concerning ARCO's  
Request for Access to Install Monitoring Wells for Offsite  
Subsurface Investigation at 724 Lewelling Boulevard, San  
Leandro, California.

Dear Mr. Sullivan:

In response to your letter of July 1, 1992, we are willing to modify our license agreement to include part of the language you requested in your July 1, 1992 letter to ARCO. We have incorporated this language as item 3.10 on page 2 of the enclosed license agreement. This language is consistent with our June 25, 1992 letter to you. However, we cannot agree to the balance of the statement in your July 1, 1992 letter because of the uncertainties that it raises.

If you will please sign both copies of this revised license agreement, ARCO will proceed with the installation of ground-water monitoring wells on your property. You must sign and return one copy of the license agreement to me on or before July 6, 1992. Keep one copy for your records. If you could, please fax a copy of the license agreement with your signature and date to me. My fax number is (415) 571-2410.

I would like to reiterate that ARCO is ready, willing, and able to begin the subsurface environmental investigation on your property once you return a copy of the license agreement with your signature and date.

Mr. John Sullivan  
July 2, 1992  
page 2


If you have any questions regarding this matter, please contact me  
at (415) 571-2449.

Sincerely,



Michael R. Whelan  
Environmental Engineer

Enclosure:        Revised license agreement between John Sullivan  
                         and ARCO (two copies)

cc:                Gary Grimm, RWQCB  
                      Lester Feldman, RWQCB  
                        
                      Chris Winsor, ARCO  
                      John Meck, ARCO  
                      Joel Coffman, Resna



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

**LICENSE AGREEMENT  
BETWEEN JOHN SULLIVAN  
AND ARCO PRODUCTS COMPANY**

This license Agreement is made on the 2nd day of July, 1992, between John Sullivan, private owner, hereinafter referred to as "licensor" and ARCO Products Company, a division of Atlantic Richfield Company, hereinafter referred to as "licensee".

**1. RECITALS**

- 1.1 Licensor owns certain real property (the "Property") at 724 Lewelling Boulevard, San Leandro, in the state of California.
- 1.2 Licensee desires to drill on a portion of the Property, two (2) groundwater wells as depicted on Plate 2, attached hereto and made part hereof.
- 1.3 The parties desire to enter into this License Agreement to allow licensee to install said groundwater wells on the Property.
- 1.4 Neither this License Agreement nor any of the terms hereof shall be construed as an admission of liability by Licensee for any contamination, alleged or otherwise, on the licensed area of any adjoining property.

**2. AGREEMENT**

Now, therefore, in consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree to and with each other as follows.

**3. TERMS**

- 3.1 Licensee may drill, use and backfill at its sole cost and expense, two (2) groundwater wells on the Property located at 724 Lewelling Boulevard, San Leandro, California.

- 3.2 Said groundwater wells shall be completed as shown on Plate 2 attached hereto and made part hereof.
- 3.3 Licensee, upon prior notification to licensor, may enter the Property to monitor and sample the two (2) groundwater wells.
- 3.4 Licensee agrees not to permit any liens to stand against the Property for work done or materials furnished to licensee, and licensee agrees to indemnify and hold licensor harmless for same.
- 3.5 If the surface of the licensed are and/or the surface of licensor's adjacent real property and/or improvements thereon shall be disturbed by the emplacement or the backfill of licensee's groundwater wells, then said surface and/or improvements shall be promptly restored by licensee to their condition just prior to such disturbance.
- 3.6 Licensee shall, after completion, backfill said borings pursuant to this License Agreement, or after the groundwater wells are no longer useful to the investigation, destroy the groundwater wells according to the standards set forth by the appropriate State agency.
- 3.7 Licensee agrees to indemnify, defend, and save licensor harmless from all liability, damage, expense, causes of action, suits, claims, or judgements resulting from injuries to person or damage to property on the licensed area or on adjoining streets and sidewalks which arise out of the act, failure to act, or negligence of licensee, its agents, employees, invitees, or guests in performing work under this License Agreement.
- 3.8 This License Agreement shall not constitute a deed or a grant of easement and shall not be deemed irrevocable or an easement by virtue of the work performed under or by reason of this license.
- 3.9 This License Agreement may be terminated by either party upon thirty (30) days prior written notice.
- 3.10 It is acknowledged that as of this date, no pollution has been detected in Sullivan property. If it is determined that pollution from A.R.C.O. property has migrated to Sullivan property, then A.R.C.O. hereby acknowledges responsibility for removal of such pollution.

In witness whereof, the parties hereto have executed this License Agreement as of the day and year first above written.

ARCO Products Company

By: Michael R. Whelan

Title: ENVIRONMENTAL ENGINEER

Date: July 2, 1992

John Sullivan

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

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

**LICENSE AGREEMENT  
BETWEEN JOHN SULLIVAN  
AND ARCO PRODUCTS COMPANY**

This license Agreement is made on the 2nd day of July 1992, between John Sullivan, private owner, hereinafter referred to as "licensor" and ARCO Products Company, a division of Atlantic Richfield Company, hereinafter referred to as "licensee".

**1. RECITALS**

- 1.1 Licensor owns certain real property (the "Property") at 724 Lewelling Boulevard, San Leandro, in the state of California.
- 1.2 Licensee desires to drill on a portion of the Property, two (2) groundwater wells as depicted on Plate 2, attached hereto and made part hereof.
- 1.3 The parties desire to enter into this License Agreement to allow licensee to install said groundwater wells on the Property.
- 1.4 Neither this License Agreement nor any of the terms hereof shall be construed as an admission of liability by Licensee for any contamination, alleged or otherwise, on the licensed area of any adjoining property.

**2. AGREEMENT**

Now, therefore, in consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree to and with each other as follows.

**3. TERMS**

- 3.1 Licensee may drill, use and backfill at its sole cost and expense, two (2) groundwater wells on the Property located at 724 Lewelling Boulevard, San Leandro, California.

- 3.2 Said groundwater wells shall be completed as shown on Plate 2 attached hereto and made part hereof.
- 3.3 Licensee, upon prior notification to licensor, may enter the Property to monitor and sample the two (2) groundwater wells.
- 3.4 Licensee agrees not to permit any liens to stand against the Property for work done or materials furnished to licensee, and licensee agrees to indemnify and hold licensor harmless for same.
- 3.5 If the surface of the licensed are and/or the surface of licensor's adjacent real property and/or improvements thereon shall be disturbed by the emplacement or the backfill of licensee's groundwater wells, then said surface and/or improvements shall be promptly restored by licensee to their condition just prior to such disturbance.
- 3.6 Licensee shall, after completion, backfill said borings pursuant to this License Agreement, or after the groundwater wells are no longer useful to the investigation, destroy the groundwater wells according to the standards set forth by the appropriate State agency.
- 3.7 Licensee agrees to indemnify, defend, and save licensor harmless from all liability, damage, expense, causes of action, suits, claims, or judgments resulting from injuries to person or damage to property on the licensed area or on adjoining streets and sidewalks which arise out of the act, failure to act, or negligence of licensee, its agents, employees, invitees, or guests in performing work under this License Agreement.
- 3.8 This License Agreement shall not constitute a deed or a grant of easement and shall not be deemed irrevocable or an easement by virtue of the work performed under or by reason of this license.
- 3.9 This License Agreement may be terminated by either party upon thirty (30) days prior written notice.
- 3.10 It is acknowledged that as of this date, no pollution has been detected in Sullivan property. If it is determined that pollution from A.R.C.O. property has migrated to Sullivan property, then A.R.C.O. hereby acknowledges responsibility for removal of such pollution.

In witness whereof, the parties hereto have executed this License Agreement as of the day and year first above written.

ARCO Products Company

By: Michael R. Uhl

Title: ENVIRONMENTAL ENGINEER

Date: July 2, 1992

John Sullivan

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

17760 Sweetbriar Place  
Castro Valley, California 94546  
July 1, 1992

CALIFORNIA REGIONAL WATER  
JUL 3 1992  
QUALITY CONTROL BOARD

Mr. Steven Ritchie  
California Regional Water Board  
2101 Webster Street, Suite 500  
Oakland, California 94612

RE: A.R.C.O. Monitoring Wells, 724 Lewelling, San Leandro

Dear Mr. Ritchie:

I am endeavoring to resolve this matter because I will be out of town from July 6, 1992 through August 10, 1992. Today, I received correspondence, dated June 25, 1992, from A.R.C.O. Obviously, A.R.C.O. refuses to commit in contract form to removal of pollution.

Let's consider the facts. I operate an apartment complex. Presently, I am not aware of presence of pollution. If, in fact, pollution is detected, I must disclose this negative fact to tenants and to prospective buyers. This can result in loss of income and value reduction.

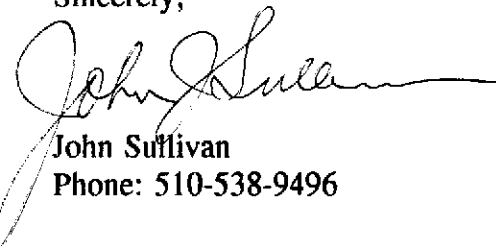
In your letter, dated June 12, 1992, and in our phone conversation on June 23, 1992, I understand that Water Board would require removal of pollution by A.R.C.O. or by whatever property owner the pollution emanated from. Then it would be proper for A.R.C.O. to acknowledge and to commit to this requirement.

Relying on this premise, I am willing to sign the contract presented by A.R.C.O., provided the following language is included:

"It is acknowledged that as of this date, no pollution has been detected in Sullivan property. If it is determined that pollution from A.R.C.O. property has migrated to Sullivan property, then A.R.C.O. hereby acknowledges responsibility for removal of such pollution and/or for monetary compensation resulting from loss of income or loss of value suffered by Sullivan as a result of said pollution."

Please communicate with A.R.C.O. and get back in touch with me.

Sincerely,

  
John Sullivan  
Phone: 510-538-9496

JS:cr/EM0012.JS

cc: A.R.C.O. Products, 2000 Alameda De Los Pulgas, San Mateo, California 94402,  
Attention: Mike Whellan

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



June 25, 1992

Mr. John Sullivan  
17760 Sweetbriar Place  
Castro Valley, California 94546

Re: Request for Access to Install Monitoring Wells for Offsite  
Subsurface Investigation at 724 Lewelling Boulevard, San  
Leandro, California.

Dear Mr. Sullivan:

This letter is in response to your correspondence to ARCO Products Company (ARCO) dated June 15, 1992 and our subsequent telephone conversation on June 23, 1992. A copy of this letter will also be forwarded to the Regional Water Quality Control Board (RWQCB) as ARCO's initial biweekly progress report, as required by the RWQCB in their June 12, 1992 letter to both ARCO and you.

As you are aware, ARCO has been attempting to obtain your permission to install groundwater monitoring wells on your property at 724 Lewelling Boulevard, San Leandro, California, since January of this year. As required by the Regional Water Quality Control Board (RWQCB), these wells are part of an ongoing environmental assessment that ARCO is performing in the vicinity of ARCO facility no. 601 located at 712 Lewelling Boulevard and adjacent to your property.

During our telephone conversation we addressed three specific issues that you mentioned in your June 15, 1992 letter and that you wanted resolved before granting ARCO access to your property. These issues are: 1) that you would like ARCO to assume responsibility for any "pollution" that is detected on your property, or, in the event that ARCO can not make this guarantee, that, 2) you receive from ARCO "just compensation for any damages or devaluation incurred" and, 3) that you be added as an additional insured by ARCO's insurance carrier.



Mr. John Sullivan  
June 25, 1992  
page 2

As both ARCO and the RWQCB pointed out during our June 11, 1992 meeting, permission to grant ARCO access to install the wells is a separate issue from responsibility for cleanup since wells must first be installed on your property to verify whether or not groundwater has been impacted by gasoline constituents. It is premature to address responsibility for cleanup at your property when there is no evidence that it has been impacted. With that said, I will now address each of your issues.

Concerning your first issue, ARCO is committed to remediation of gasoline-impacted groundwater, both onsite and offsite, that originates from ARCO's facility and is ARCO's responsibility to clean up. ARCO will not be responsible for clean up of contaminated soil or ground water originating from your property or any other property. In your letter, you imply that if contamination is found on your site that ARCO is the responsible party since it is "unlikely" that the former Shell station across the street from ARCO station 601 could have impacted ground water based on a ground-water flow to the southwest. This is a premature assumption. First, historical ground-water monitoring data has shown that the direction of ground-water flow has varied across the site and is not exclusively to the southwest. This is documented quarterly in monitoring reports that ARCO submits to the RWQCB. In addition, the extent of impact from the former Shell station has not been determined.

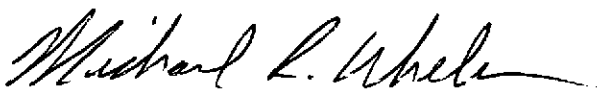
Since ARCO cannot assume responsibility "for the removal of any pollution detected" on your property, you requested "just compensation for any damages or devaluation incurred" and, you "want to be named as additional insured" by ARCO's insurance carrier. These last two issues/requests are the same as the first in that you want ARCO to guarantee to you reimbursement of damages and additional insurance when we do not know if your property has been impacted or whether the impact is due to ARCO's actions. Our response in this regard is the same. ARCO will not address issues such as reimbursement of damages until ARCO's environmental assessment is completed and the full extent of ARCO's responsibility is determined.

Mr. John Sullivan  
June 25, 1992  
page 3

Hopefully, this letter has addressed your concerns. If you decide to grant ARCO access to install the wells on your property, please sign both copies of the ARCO access agreement that was attached to the January 6, 1992 letter and return them to me. ARCO will countersign the agreement and return a copy to you.

If you have any questions regarding this matter, please contact me at (415) 571-2449.

Sincerely,



Michael R. Whelan  
Environmental Engineer

Enclosure:            June 15, 1992 letter from John Sullivan to ARCO

cc:            Lester Feldman, RWQCB  
                John Jang, RWQCB  
                Chris Winsor, ARCO  
                John Meck, ARCO  
                Joel Coffman, Resna

ARCO Products Company  
2000 Alameda de las Pulgas  
Mailing Address: Box 5814  
San Mateo, California 94402  
Telephone 415 571 2400

CALIFORNIA REGIONAL WATER



June 25, 1992

Mr. John Jang  
California Regional Water Quality Control Board  
2101 Webster Street, Suite 500  
Oakland, California 94612

Re: Bi-weekly Progress Report Concerning Subsurface  
Investigation at 724 Lewelling Boulevard, San Leandro,  
California.

Dear Mr. Jang:

ARCO Products Company (ARCO) is submitting this initial biweekly progress report, as requested by the California Regional Water Quality Control Board (RWQCB) in their June 12, 1992 letter to ARCO and Mr. John Sullivan. Attached is a copy of a letter ARCO has again submitted to Mr. Sullivan requesting permission to install groundwater monitoring wells on his property located at 724 Lewelling Boulevard in San Leandro California. This letter documents ARCO's most recent attempt to gain encroachment permission from Mr. Sullivan. This letter also presents ARCO's response to Mr. Sullivan's request that ARCO assume responsibility for any gasoline-related soil or groundwater that could potentially be found on his property **before** the monitoring wells are even installed. As we stated to Mr. Sullivan, ARCO can not assume this responsibility since ARCO does not know if his property has been impacted. In addition, if gasoline-impacted groundwater were to be found on his property there is the possibility that the documented release of gasoline from the former Shell station across the street from the ARCO facility, or some other source, could have impacted groundwater in the vicinity of Mr. Sullivan's property.

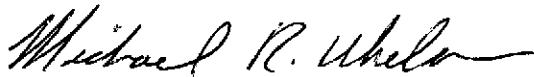
As we discussed, ARCO is committed to the remediation of gasoline impacted groundwater that both originates from ARCO's facility and is ARCO's responsibility to clean up. ARCO is currently designing a groundwater remediation system and trying to obtain offsite encroachment permission from a second offsite property owner.

Mr. John Jang  
June 25, 1992  
Page 2

Based on our conversation on June 17, 1992, you stated that the RWQCB may proceed with enforcement action against Mr. Sullivan if he does not conduct his own environmental site investigation or allow ARCO to install wells on his property. You stated that ARCO will not be considered in the enforcement action since ARCO is willing to install the wells on Mr. Sullivan's property. I wanted to document our understanding since the RWQCB letter of June 12, 1992 was addressed to both ARCO and Mr. Sullivan and described possible enforcement action, but was unclear as to which party enforcement action would apply.

As requested, ARCO will continue to report biweekly on the progress, if any, in obtaining encroachment permission from Mr. Sullivan. If you have any questions, please contact me at (415) 571-2449.

Sincerely,



Michael R. Whelan  
Environmental Engineer

Enclosure:        June 25, 1992 letter from ARCO to John Sullivan

cc:                Lester Feldman, RWQCB  
                     Chris Winsor, ARCO  
                     John Meck, ARCO  
                     Joel Coffman, Resna

REC'D JUN 18 1992

17760 Sweetbriar Place  
Castro Valley, California 94546  
June 15, 1992

Mr. Michael R. Whelan  
A.R.C.O. Products Company  
Box 5811  
San Mateo, California 94402

RE: Monitoring Wells at 724 Lewelling, San Leandro

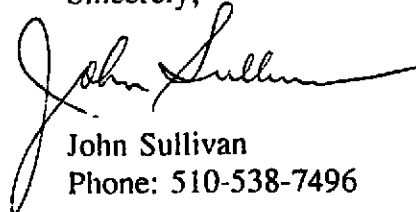
Dear Mr. Whelan:

At our recent meeting, at Water Control Board Offices, you suggested the possibility that pollution from Shell Oil Station, across Lewelling Boulevard, could flow under the above property. This, I find, would be unlikely in light of the findings that show ground water flow to be in the Southwest. It would appear then that any contamination migrating towards my property would originate at A.R.C.O. Station. Further consultation with Resna Industries could clarify this matter.

Again, I reiterate my willingness to permit access provided A.R.C.O. assumes responsibility for the removal of any pollution detected, or in the event this cannot be accomplished, that I would receive just compensation for any damages or devaluation incurred. I would want to be named as additional insured by your Insurance Carrier.

Please evaluate this matter and contact me soon so that any deadlines proposed by Water Quality Board can be met.

Sincerely,



John Sullivan  
Phone: 510-538-7496

JS:cr  
CM0003.JS

cc: California Regional Water Quality Control  
2101 Webster Street, Suite 500  
Oakland, California 94612  
Attention: Lester Feldman

17760 Sweetbriar Place  
Castro Valley, California 94546  
June 15, 1992

Mr. Michael R. Whelan  
A.R.C.O. Products Company  
Box 5811  
San Mateo, California 94402

RECEIVED  
JUN 17 1992  
QUALITY CONTROL

RE: Monitoring Wells at 724 Lewelling, San Leandro

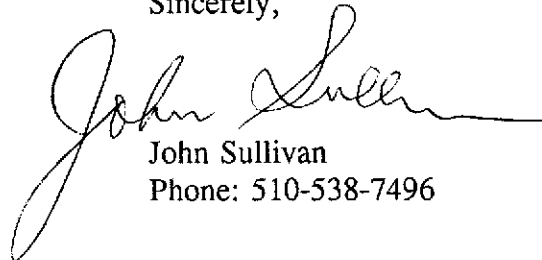
Dear Mr. Whelan:

At our recent meeting, at Water Control Board Offices, you suggested the possibility that pollution from Shell Oil Station, across Lewelling Boulevard, could flow under the above property. This, I find, would be unlikely in light of the findings that show ground water flow to be in the Southwest. It would appear then that any contamination migrating towards my property would originate at A.R.C.O. Station. Further consultation with Resna Industries could clarify this matter.

Again, I reiterate my willingness to permit access provided A.R.C.O. assumes responsibility for the removal of any pollution detected, or in the event this cannot be accomplished, that I would receive just compensation for any damages or devaluation incurred. I would want to be named as additional insured by your Insurance Carrier.

Please evaluate this matter and contact me soon so that any deadlines proposed by Water Quality Board can be met.

Sincerely,



John Sullivan  
Phone: 510-538-7496

JS:cr  
CM0003.JS

cc: California Regional Water Quality Control  
2101 Webster Street, Suite 500  
Oakland, California 94612  
Attention: Lester Feldman

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD****SAN FRANCISCO BAY REGION**

2101 WEBSTER STREET, SUITE 500

OAKLAND, CA 94612

(510) 464-1255

June 12, 1992

UST Files



Mr. John Sullivan  
Emerald Properties  
P. O. Box 314  
San Lorenzo, CA 94580

Mr. Mike Whelan  
ARCO Products Company  
2000 Alameda de las Pulgas  
P. O. Box 5811  
San Mateo, CA 94402

Dear Mr. Sullivan and Mr. Whelan:

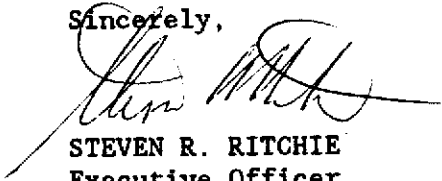
SUBJECT: June 11, 1992 Meeting Regarding RWQCB Request for Technical Report  
for 724 Lewelling Blvd., San Leandro, Alameda County

Groundwater beneath the ARCO Station located at 712 Lewelling Blvd. in the City of San Leandro has been found to be polluted. In a letter dated May 11, 1992, the Regional Board requested a technical report within 30 days from Mr. Sullivan, the owner of the adjacent property at 724 Lewelling Blvd. Alternatively, the letter stipulated that Mr. Sullivan may allow ARCO access to his property in order for them to gather the needed data to generate this technical report. Regional Board staff met with Mr. Sullivan and Mr. Whelan on June 11, 1992. At this meeting, Mr. Sullivan stated that he was concerned that if contamination were found on his property, that we would require him to clean it up. If contamination were found at 724 Lewelling Blvd., the Regional Board will require cleanup by the appropriate responsible party(ies).

The technical report requested in our May 11, 1992 letter was due on June 10, 1992. Unless this technical report is submitted soon, you may be subject to civil liability imposed by this Board to a maximum amount of \$1,000 per day starting from June 10, 1992. You are requested to submit progress reports every two weeks outlining progress toward submittal of the required technical report.

If you have any questions concerning this matter, please contact John Jang of my staff at (510) 464-0554.

Sincerely,

  
STEVEN R. RITCHIE  
Executive Officer

cc: Joel Coffman, RESNA  
Robert Weston, Alameda Co. Health Care Services Agency

CONTROL REGISTER FOR PRIORITY CORRESPONDENCE

I. SUBJECT/ITEM: SECOND WARNING LETTER REQUESTING TECHNICAL REPORT FOR 724 LEWELLING BLVD., SAN LEANDRO, ALAMEDA COUNTY

II. RATIONALE/REASON FOR ACTION AND ADDITIONAL NOTES:

Groundwater beneath the ARCO Station located at 712 Lewelling Blvd. in the City of San Leandro has been found to be polluted. In a letter dated May 11, 1992, the Regional Board requested a technical report within 30 days from Mr. Sullivan, the owner of the adjacent property at 724 Lewelling Blvd. Alternatively, the letter stipulated that Mr. Sullivan may allow ARCO access to his property in order for them to gather the needed data to generate this technical report. Regional Board staff met with Mr. Sullivan and Mr. Whelan on June 11, 1992. At this meeting, Mr. Sullivan stated that he was concerned that if contamination were found on his property, that we would require him to clean it up. This letter should put aside some of his fears and at the same time warn him that the investigation at 724 Lewelling Blvd. should proceed as quickly as possible.

III. DRAFT PREPARATION/REVIEW/APPROVAL

PREPARED BY	<u>JMJ</u>	DATE	<u>6/12/92</u>
REVIEWED/APPROVED BY	<u>[Signature]</u>	DATE	<u>6/12/92</u>
REVIEWED/APPROVED BY	<u>DD</u>	DATE	<u>6/15/92</u>
REVIEWED/APPROVED BY	_____	DATE	_____

IV. CLERICAL PROCESSING

TYPED BY	_____	DATE	_____
PROOFED WITH	_____	DATE	_____

V. ORIGINATORS FINAL REVIEW FOR COMPLETENESS AND ACCURACY

BY	<u>JMJ</u>	DATE	<u>6/16/92</u>
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VI. MAILED BY	<u>JMJ</u>	DATE	<u>6/16/92</u>
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(6/11/92)

LIST OF ARCO SITES WITH UGT CLEANUP

<u>STID#</u>	<u>ACHD CONTACT</u>	<u>ARCO FACILITY#</u>	<u>ADDRESS</u>
3629	Susan Hugo	Station 2112	1260 Park Street Alameda 94501
817	Juliet Shin	Station 5387	20200 Hesperian Blvd. Hayward 94541
3943	Scott Seery	Station 2152	22141 Center Street Castro Valley 94546
3883	Susan Hugo	Station 6113	785 E. Stanley Blvd. Livermore 94550
3873	Susan Hugo	Station 771	899 Rincon Avenue Livermore 94550
1053	Scott Seery	Station 6041	7249 Village Parkway Dublin 94568
779	Juliet Shin	Station 608	17601 Hesperian Blvd. San Lorenzo 94580
3876	Barney Chan	Station 2185	9800 East 14th Street Oakland 94603
3756	Barney Chan	Station 276	10600 MacArthur Blvd. Oakland 94605
3874	Susan Hugo	Station 4931	731 W. MacArthur Blvd. Oakland 94609
3884	Susan Hugo	Station 374	6407 Telegraph Avenue Oakland 94609
3626	Susan Hugo	Station 6148	5131 Shattuck Avenue Oakland 94609
3890	Barney Chan	Station 2107	3310 Park Blvd. Oakland 94610
3854	Barney Chan	Station 4494	566 Hegenberger Road Oakland 94621
3793	Susan Hugo	Station 2169	889 W. Grand Ave. Oakland 94607
3858	Barney Chan	Station 2035	1001 San Pablo Avenue Albany 94706
0000	Scott Seery	Station 601	712 Lewelling Blvd. San Leandro 94579

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

<b>EMERGENCY</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<b>FOR LOCAL AGENCY USE ONLY</b> 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.	
<b>REPORT DATE</b> JUN 14 1994		<b>CASE #</b> 32657		<b>SIGNED</b> _____ <b>DATE</b> JUN 14 1994	
<b>REPORTED BY</b>	<b>NAME OF INDIVIDUAL FILING REPORT</b> Bernicea Ness		<b>PHONE</b> (415) 571-2434		<b>SIGNATURE</b> Bernicea Ness
	<b>REPRESENTING</b> <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		<b>COMPANY OR AGENCY NAME</b> ARCO PRODUCTS CO.,		
<b>RESPONSIBLE PARTY</b>	<b>ADDRESS</b> P.O. BOX 5811, San Mateo, CA 94402				
	<b>NAME</b> ARCO Products Co. <input type="checkbox"/> UNKNOWN <b>CONTACT PERSON</b> Kyle Christie <b>PHONE</b> (510) 571-2434				
<b>SITE LOCATION</b>	<b>ADDRESS</b> P.O. Box 5811 (Attn: Kyle Christie) San Mateo, CA 94402				
	<b>FACILITY NAME (IF APPLICABLE)</b> 601		<b>OPERATOR</b> Arvind M. & Aruna Shah		<b>PHONE</b> (510) 483-3237
	<b>ADDRESS</b> 712 Levealing Blvd. San Leandro, (Alameda) 94579				
<b>IMPLEMENTING AGENCIES</b>	<b>LOCAL AGENCY</b> City of San Leandro Fire Dept.		<b>CONTACT PERSON</b> Mike Bakaldin		<b>PHONE</b> (510) 577-3310
	<b>REGIONAL BOARD</b> S.F. Region		<b>PHONE</b> (510) 464-1233		
<b>SUBSTANCES INVOLVED</b>	<b>(1) NAME</b> Petroleum Hydrocarbons		<b>QUANTITY LOST (GALLONS)</b> <input checked="" type="checkbox"/> UNKNOWN		
	<b>(2)</b>		<input type="checkbox"/> UNKNOWN		
<b>DISCOVERY/ABATEMENT</b>	<b>DATE DISCOVERED</b> 06/10/94		<b>HOW DISCOVERED</b> <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 separator closure		
	<b>DATE DISCHARGE BEGAN</b> 06/10/94		<b>METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)</b> <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 close separator		
	<b>HAS DISCHARGE BEEN STOPPED?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 06/10/94		<input checked="" type="checkbox"/> UNKNOWN		
<b>SOURCE/CAUSE</b>	<b>SOURCE OF DISCHARGE</b> <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		<b>CAUSE(S)</b> <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	<b>CASE TYPE</b> <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)				
<b>CURRENT STATUS</b>	<b>CHECK ONE ONLY</b> <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input checked="" type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
	<b>REMEDIAL ACTION</b> 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 checked="" 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)				
<b>COMMENTS</b> All samples were taken during closure of oil/water separator. Digging oil & grease. Oil/water separator closed, assessment and location to be performed.					

## INSTRUCTIONS

### EMERGENCY

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

### LOCAL AGENCY ONLY

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

### REPORTED BY

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

### RESPONSIBLE PARTY

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

### SITE LOCATION

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

### IMPLEMENTING AGENCIES

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

### SUBSTANCES INVOLVED

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

### DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

### SOURCE/CAUSE

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

### CASE TYPE

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

### CURRENT STATUS

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

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

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

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

### REMEDIAL ACTION

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

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

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

SIGNATURE - Sign the form in the space provided.

### DISTRIBUTION

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

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

ARCO meeting

6-11-92

Michael Whelan	Arco	415-571-2449
Dianne Lundquist	Geostatics <del>Geostatics</del>	510-362-4800
John Vargas	"	" " "
Joel Coffman	RENA (AGS)	

Michael Whelan is dedicated to Alameda Co. sites  
next 6-12 ups.

- supports an aggressive approach
- wants to get remediation systems up and running concurrently with further investigation

#2152 22141 Center Street, C.V.

- Compound location not questioned by PW
- schedule looks on-line for construction, permitting, etc.

\*6041 7249 Village Pkwy, Dublin

- work plan for additional (on- and off site) wells pending
- Unocal (leak site) across street - suspect them as source
- discussed questions of current well construction

6/11/92

[redacted] Park St. Alameda

file - was meeting  
6/11/92

Sites to be discussed during meeting at RWQCB on June 11, 1992

ARCO StationAddress & City

276 10600 Mac Arthur Blvd., Oakland

374 6407 Telegraph Ave., Oakland

414 3000 Shattuck Ave., Berkeley

2035 1001 San Pablo Ave., Albany

2107 3310 Park Blvd., Oakland

2152 22141 Center St., Castro Valley

2169 899 W. Grand Ave., Oakland

2185 9800 E. 14th St., Oakland

4494 566 Hegenberger Rd., Oakland

4931

6041 7249 Village Parkway, Dublin

6148 5131 Shattuck Ave., Oakland

5275 Washington Lowell Blvd.

VOC problems  
2 up gradient wellsJuly 1992 (late) system in place  
6 MWs - 4 1/2 Ws - SW direction

John Vargo / Stone Lydquist

3 MWs + 1 Boring (SW →)

Topics for discussion to include:

- Permitting and Access Problems, including City of Oakland - *some people signing permit*
- *delays w/* Anticipated Remediation Schedules → *on schedule or ahead of schedule*
- *next phase of work* → Plan of Action to Complete Delineation of Site
- *joint remediation* → Possible/Probable Contributing Offsite Polluters, Help in gaining access/cooperation/information from them

Quicker approval of addendums to work plans, may we proceed without approval in cases where additional monitoring wells are being added to a monitoring program?

drilling schedule  
then for Remona to  
flag

drilling schedule for corrective action

EBHUP  
discharge permit  
→ \$12,000  
Rice disorg  
waste permit



ARCO, 712 Lewelling Blvd., San Leandro

(01)

**Emerald Properties**  
Box 314 San Lorenzo  
Cal, 94580

CALIFORNIA REGIONAL WATER

MAY 18 1992

QUALITY CONTROL BOARD

5/15/92.

Bay Regional Water Control

2101 Webster

Oakland 94612. Attn Steven Ritchie

Re Technical Report — 724 Lewelling, San Leandro.

Dear Mr Ritchie,

I am in receipt of your letter dated 5/11/92. By my letter dated 1/15/92 I responded to ARCO. Co Request.

My concerns and terms, as expressed in that letter, have not changed. I will be happy to meet on site with representatives from your office as well as with somebody from ARCO. Co who has technical knowledge of the situation.

I may be reached at 510-538-9496.

Sincerely  
John Sullivan

## CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

2101 WEBSTER STREET, SUITE 500

OAKLAND, CA 94612

(510) 464-1255

May 11, 1992

UST Files



Mr. John Sullivan  
Emerald Properties  
P. O. Box 314  
San Lorenzo, CA 94580

Dear Mr. Sullivan:

SUBJECT: Request for Technical Report for 724 Lewelling Blvd., San Leandro,  
Alameda County

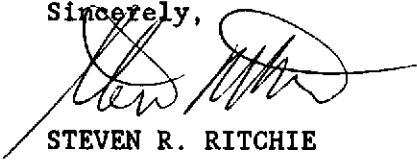
Groundwater beneath an ARCO Station located at 712 Lewelling Blvd. in the City of San Leandro have been found to be polluted. In order to define the extent of the pollution of the groundwater, ARCO needs to install monitoring wells within the adjacent property located at 724 Lewelling Blvd. In a letter dated January 6, 1992, ARCO has requested permission to install monitoring wells and conduct subsurface environmental investigation at 724 Lewelling Blvd. To date you have not responded to ARCO's request.

As the owner of 724 Lewelling Blvd., you are hereby formally requested to submit a technical report under the authority of Section 13267 of the California Water Code (or you may allow ARCO access to your property in order for them to gather the needed data). The requested technical report must contain data from an acceptable groundwater investigation of the groundwater beneath 724 Lewelling Blvd. to determine if polluted groundwater from 712 Lewelling Blvd. has migrated off-site. This technical report is due to this office no later than 30 days following the date of this letter.

You should be aware that this is a formal request for a technical report pursuant to California Water Code Section 13267. Failure to respond or late response to this request may subject you to civil liability imposed by the Board to a maximum amount of \$1000 per day. Any extensions of the time deadlines set forth above must be confirmed in writing by Board staff.

If you have any questions concerning this matter, please contact John Jang of my staff at (510) 464-0554.

Sincerely,

  
STEVEN R. RITCHIE  
Executive Officer

cc: Michael Whelan, ARCO  
Joel Coffman, RESNA  
Larry Seto, Alameda Co. Health Care Services Agency

## CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

2101 WEBSTER STREET, SUITE 500

OAKLAND, CA 94612

(510) 464-1255

May 11, 1992  
UST Files

Mr. John Sullivan  
Emerald Properties  
P. O. Box 314  
San Lorenzo, CA 94580

Dear Mr. Sullivan:

SUBJECT: Request for Technical Report for 724 Lewelling Blvd., San Leandro,  
Alameda County

Groundwater beneath an ARCO Station located at [REDACTED] in the City of San Leandro have been found to be polluted. In order to define the extent of the pollution of the groundwater, ARCO needs to install monitoring wells within the adjacent property located at 724 Lewelling Blvd. In a letter dated January 6, 1992, ARCO has requested permission to install monitoring wells and conduct subsurface environmental investigation at 724 Lewelling Blvd. To date you have not responded to ARCO's request.

As the owner of 724 Lewelling Blvd., you are hereby formally requested to submit a technical report under the authority of Section 13267 of the California Water Code (or you may allow ARCO access to your property in order for them to gather the needed data). The requested technical report must contain data from an acceptable groundwater investigation of the groundwater beneath 724 Lewelling Blvd. to determine if polluted groundwater from 712 Lewelling Blvd. has migrated off-site. This technical report is due to this office no later than 30 days following the date of this letter.

You should be aware that this is a formal request for a technical report pursuant to California Water Code Section 13267. Failure to respond or late response to this request may subject you to civil liability imposed by the Board to a maximum amount of \$1000 per day. Any extensions of the time deadlines set forth above must be confirmed in writing by Board staff.

If you have any questions concerning this matter, please contact John Jang of my staff at (510) 464-0554.

Sincerely,

STEVEN R. RITCHIE  
Executive Officer

cc: Michael Whelan, ARCO  
Joel Coffman, RESNA  
Larry Seto, Alameda Co. Health Care Services Agency





**RESNA**  
Working To Restore Nature

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

April 30, 1992  
69034.08  
69034\0430edso

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

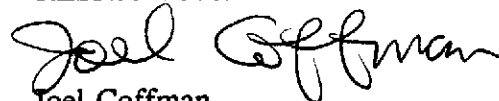
Subject: Attempts to gain offsite access from property owner to install groundwater monitoring wells as part of an on-going subsurface environmental investigation at ARCO Station 601, 712 Lewelling Boulevard, San Leandro, California.

Dear Mr. So:

On behalf of ARCO Products Company, RESNA Industries (RESNA) has been attempting to gain access from the owner of the property adjoining the subject site to install downgradient offsite monitoring wells as part of an on-going subsurface environmental investigation at the subject site. We have written the owner, Mr. Sullivan, on two occasions regarding this matter and to date, have not received response to the second letter sent by ARCO and dated January 24, 1992 (copies of letters enclosed). We are requesting your assistance with this matter.

Please inform us how you would like to proceed in attempts to gain this access and how we may help. If you have any questions or comments, please phone us at (408) 264-7723 or Mr. Michael Whelan of ARCO at (415) 571-2449.

Sincerely,  
RESNA Industries

  
Joel Coffman  
Project Geologist

cc: Michael Whelan, ARCO  
Chris Winsor, ARCO  
John Meck, ARCO  
Larry Seto, Alameda County Health Care Services Agency

COPY


**RESNA**  
 Working To Restore Nature

## TRANSMITTAL

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

TO: MR. EDDY SO DATE: 4/30/92  
RWQCB-SF REGION PROJECT NUMBER: 69034.08  
2101 WEBSTER STREET, SUITE 509 SUBJECT: ARCO STATION 601 AT  
OAKLAND, CALIFORNIA 94612 712 LEWELLING BOULEVARD, SAN  
LEANDRO, CALIFORNIA

FROM: JOEL COFFMAN  
 TITLE: PROJECT GEOLOGIST

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via \_\_\_\_\_ the following items:

☐ Shop drawings ☐ Prints ☐ Reports ☐ Specifications

☒ Letters ☐ Change Orders ☐ \_\_\_\_\_

COPIES	DATED	NO.	DESCRIPTION
1	4/30/92		ATTEMPTS TO GAIN OFFSITE ACCESS FROM
			PROPERTY OWNER TO INSTALL GROUNDWATER
			MONITORING WELLS AS PART OF AN ON-GOING
			SUBSURFACE ENVIRONMENTAL INVESTIGATION
			AT THE ABOVE SUBJECT SITE.

THESE ARE TRANSMITTED as checked below:

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

REMARKS: CC: MICHAEL WHELAN, ARCO  
CHRIS WINSOR, ARCO  
JOHN MECH, ARCO  
LARRY SETO, ACHCSA

Copies: 1 to project file no. 69034.08

\*Revision Date: 11/21/91  
 \*File Name: TRANSMT.PRJ

4/23/92  
Called Don Moore (Seacon)  
received OK updates of Arco.

April 13, 1992

92 APR 14 PM 2:00

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

**ARCO Products Company Facilities in Alameda County**

Dear Ms. Hugo:

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

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

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

ARCO is planning a subsequent comprehensive QSR submittal for ARCO sites on July 15, 1992. Please do not hesitate to contact us with any questions regarding this submittal.

Sincerely yours,

*Kyle A. Christie*  
for

Kyle A. Christie  
Environmental Engineer

Attachments: ARCO Facility QSRs

UST LEAK  
SITE UPDATE

Date of Last  
Review/Update January 6, 1992

Current  
Date April 6, 1992

SITE IDENTIFICATION

Name ARCQ Service Station 601 Case No. \_\_\_\_\_  
Address \_\_\_\_\_  
Street Number \_\_\_\_\_ Street \_\_\_\_\_  
City San Leandro ZIP Code \_\_\_\_\_  
County Alameda Substance Gasoline  
Local Agency Alameda County Health Care Services Agency  
Regional Board Regional Water Quality Control Board - San Francisco Bay Area

LEAD STAFF PERSON ACHCSA - Larry Seto

CASE TYPE

\_\_\_\_\_ Undetermined \_\_\_\_\_ Soil Only X Ground Water \_\_\_\_\_ Drinking Water

STATUS (Date indicates when case moved into status)

_____ No Action Taken	Date _____
<u>X</u> Leak Being Confirmed	Date <u>5/89</u>
<u>X</u> Preliminary Site Assessment Workplan Submitted	Date <u>11/89</u>
<u>X</u> Preliminary Site Assessment Underway	Date <u>6/90</u>
<u>X</u> Pollution Characterization	Date <u>3/91</u>
<u>X</u> Remediation Plan	Date <u>11/91</u>
_____ Remedial Action Underway	Date _____
_____ Post Remedial Action Monitoring	Date _____
_____ Case Referred to Regional Board (ACHCSA)	Date _____
_____ Case Referred to Dept. of Health Services	Date _____
_____ Case Closed	Date _____

COMMENTS/MILESTONES:

USTs replaced and 550 cubic yards contaminated soil removed from site in January 1990 during tank replacement. Monthly bailing of product from wells (as needed) is ongoing. Submitted a proposal for an additional subsurface investigation and to design and permit on interim soil and groundwater remediation system on 11/11/91. Installed a Horner EZY floating product skimmer in MW-3 on 12/24/91. Submitted a remedial action plan for interim groundwater remediation on 3/6/92. Submitted a wastewater discharge permit application on 3/10/92. Initiated design of interim groundwater system.

RECENT ACTIVITIES/FINDINGS:

Last Quarter Activities: Installed a Horner EZY floating product skimmer in MW-3 on 12/24/91.

Current Quarter Activities: Submitted a remedial action plan for interim groundwater remediation on 3/6/92. Submitted a wastewater discharge permit application on 3/10/92. Initiated design of interim groundwater system.

ANTICIPATED ACTIVITIES:

Next Quarter Activities: Continue groundwater monitoring, complete design of groundwater treatment system and bid package for construction of remediation system and prepare quarterly groundwater monitoring report.

Continue to attempt to gain offsite access for offsite well installation.

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

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Special Wastewater Discharge Permit Application 69034.07	3/10/92	RESNA
Addendum Four to Workplan for Interim Groundwater Remediation 69034.07	3/6/92	RESNA
Third Quarter 1991 Groundwater Monitoring Report at ARCO Station 601 69034.03	11/22/91	RESNA
Subsurface Environmental Assessment and Vapor Extraction System at ARCO Station 601 69034.04	10/21/91	RESNA
Quarterly Ground-Water Monitoring Second Quarter 1991 at ARCO Station 601 69034.03	7/2/91	RESNA
Site Safety Plan, Subsurface Environmental Investigation at ARCO Service Station 601, RESNA/AGS Report 69034.04S	5/21/91	RESNA/Applied GeoSystems
Addendum Two to Work Plan 69034.05	5/15/91	RESNA/Applied GeoSystems
Quarterly Ground-Water Monitoring First Quarter 1991 at ARCO Station 601 69034.03	3/24/91	RESNA
Work Plan for Subsurface Investigation and Remediation at ARCO Station 601, RESNA/AGS Report 69034-4W	3/21/91	RESNA
Addendum One to Work Plan at ARCO Station 601, RESNA Report 69034.04	3/21/91	RESNA/Applied GeoSystems
Subsurface Environmental Assessment at ARCO Station 601, RESNA/AGS Report 69034-2	12/14/90	RESNA/Applied GeoSystems
Quarterly Ground-Water Monitoring Fourth Quarter 1990 at ARCO 601 69034.03	11/30/90	Applied GeoSystems
Tank Replacement Report, ARCO Service Station #601, San Leandro, California, GSI Report 7918-2	6/29/90	GeoStrategies, Inc.
Proposed Scope of Work, ARCO Service Station #601, San Leandro, California, GSI Report 7918-2	11/14/89	GeoStrategies, Inc.

REPORT

Limited Environmental Site Assessment  
at ARCO Service Station No. 601,  
San Leandro, California,  
AGS Report 69034-1

DATE

11/9/89

CONSULTANT

Applied GeoSystems

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)

January 27, 1992

Mr. Chuck Carmel  
Arco Products Company  
P.O. Box 5811  
San Mateo, California 94402

RE: 712 Lewelling Boulevard, San Leandro, CA

Dear Mr. Carmel:

I have reviewed your ~~Executive Summary of Subsurface Environmental Investigation and Vapor Extraction Test~~ dated ~~October 17, 1991~~, that was prepared by Applied GeoSystems, Inc. Your recommendations for future remediation of soil and groundwater is acceptable. *Off site work for new M.U.*

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

Sincerely,

  
Larry Seto  
Sr. Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney's Office  
Eddie So, RWQCB  
Howard Hatayama, DTSC  
San Leandro Fire  
Rafat Shahid, Assistant Agency Director, Environmental Health Files

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

S2 JAN 28 01:11:45

January 24, 1992

Mr. John Sullivan  
Emerald Properties  
Box 314  
San Lorenzo, CA 94580

Subject: Response to Letter Dated January 15, 1992 For Agency  
Requested Exploratory Borings and Monitoring Wells at ARCO  
Service Station #601, San Lorenzo, California

Dear Mr. Sullivan:

This letter is in response to your above referenced correspondence dated January 15, 1992. ARCO is currently working with the Alameda County Health Care Services Agency and the Regional Water Quality Control Board (RWQCB) to define gasoline hydrocarbons that have been discovered at the above referenced ARCO facility. By working with these agencies, ARCO is requesting access to install two groundwater monitoring wells to help further define gasoline hydrocarbons that may or may not be present on your property. Please note that neither the proposed installation of these monitoring wells nor this letter constitutes an admission by ARCO as to the liability or responsibility concerning gasoline hydrocarbons or any contamination at or with respect to your property.

I would be glad to meet with you to discuss any of your concerns relating to your property adjacent to ARCO Service Station #601 and the approval for these groundwater monitoring wells.

ARCO will not give compensation just for the privilege of assessing whether or not gasoline hydrocarbons exist on your property. I would like to add that ARCO is proposing to assess your property at ARCO's sole cost and expense. Should you decide to decline ARCO's offer for access to your property, the RWQCB may request that you perform the assessment as an individual party.



Mr. John Sullivan  
January 24, 1992  
Page 2

A bond is not required as the license agreement provides for any improvements that are disturbed by these groundwater monitoring wells will be promptly restored by ARCO to their condition just prior to the disturbance.

Should gasoline hydrocarbons be detected on your property, appropriate remedial and/or abatement programs will be considered and evaluated at that time.

Please feel free to contact me at (415) 571-2434 to discuss the above matter and to establish a mutually agreeable time for meeting on site.

Sincerely,



Chuck Carmel  
Environmental Engineer

cc: Ted Robinson, ARCO Products Company  
John Meck, ARCO Products Company  
Chris Winsor, ARCO Products Company  
Gil Jensen, Alameda County District Attorney's Office  
Larry Seto, Alameda County Health Care Services Agency  
Lester Feldman, Regional Water Quality Control Board  
Joel Coffman, RESNA



*Emerald Properties*  
Box 314 San Lorenzo  
Cal, 94580

RECEIVED

JAN 21 1992

RESNA  
SAN JOSE

January 15, 1992

R.E.S.N.A. Company  
3315 Almaden Expressway #34  
San Jose, California 95118

Attention: Robert Campbell

RE: Water Monitoring Test Holes, 724 Lewelling, San Leandro, California  
Project #69034.08

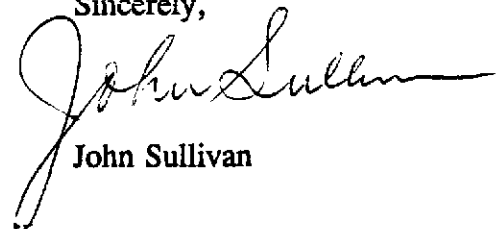
Dear Mr. Campbell:

I received your correspondence on above matter. To better evaluate the situation, I would want to meet on site with someone knowledgeable with the project.

Be aware that I will expect reasonable compensation in return for my approval. I will also demand posting of a bond to cover possible damage to structures, water, gas or sewer lines, etc. In the event contamination is detected, I will want assurance that such contamination will be removed.

I may be reached at 510-538-9496.

Sincerely,



John Sullivan

JS:cr

EM0004.JS

January 14, 1992

92 JAN 15 PM 2:17

Mr. Edgar Howell  
Alameda County Department of Environmental Health  
80 Swan Way  
Oakland, California 94621

**ARCO Products Company Facilities in Alameda County**

Dear Mr. Howell:

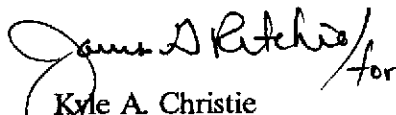
Please find attached, Quarterly Summary Reports (QSRs) for ARCO Products Company Service Stations in Alameda County. The QSRs summarize activities conducted by ARCO at the respective sites during the fourth quarter of 1991; also included are projected site activities for the first quarter of 1992 and a bibliography of reports submitted for each location.

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

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

ARCO is planning a subsequent comprehensive QSR submittal for ARCO sites on April 15, 1992. Please do not hesitate to contact us with any questions regarding this submittal.

Sincerely yours,

  
Kyle A. Christie  
Environmental Engineer

Attachments: ARCO Facility QSRs

REPORTDATECONSULTANT

Third Quarter 1991 Groundwater  
Monitoring Report at ARCO Station 601  
69034.03

11/22/91

RESNA

Subsurface Environmental Assessment and  
Vapor Extraction System at ARCO Station 601  
69034.04

10/21/91

RESNA

Quarterly Ground-Water Monitoring  
Second Quarter 1991 at ARCO Station 601  
69034.03

7/2/91

RESNA

Site Safety Plan, Subsurface Environmental  
Investigation at ARCO Service Station 601,  
RESNA/AGS Report 69034.04S

5/21/91

RESNA/Applied  
GeoSystems

Addendum Two to Work Plan  
69034.05

5/15/91

RESNA/Applied  
GeoSystems

Quarterly Ground-Water Monitoring  
First Quarter 1991 at ARCO Station 601  
69034.03

3/24/91

RESNA

Work Plan for Subsurface Investigation  
and Remediation at ARCO Station 601,  
RESNA/AGS Report 69034-4W

3/21/91

RESNA

Addendum One to Work Plan  
at ARCO Station 601,  
RESNA Report 69034.04

3/21/91

RESNA/Applied  
GeoSystems

Subsurface Environmental Assessment  
at ARCO Station 601,  
RESNA/AGS Report 69034-2

12/14/90

RESNA/Applied  
GeoSystems

Quarterly Ground-Water Monitoring  
Forth Quarter 1990 at ARCO 601  
69034.03

11/30/90

Applied GeoSystems

Tank Replacement Report,  
ARCO Service Station #601,  
San Leandro, California,  
GSI Report 7918-2

6/29/90

GeoStrategies, Inc.

Proposed Scope of Work,  
ARCO Service Station #601,  
San Leandro, California,  
GSI Report 7918-2

11/14/89

GeoStrategies, Inc.

Limited Environmental Site Assessment  
at ARCO Service Station No. 601,  
San Leandro, California,  
AGS Report 69034-1

11/9/89

Applied GeoSystems

SUBJ: Transfer of Eligible Oversight Case

Site name: Arco Station #601

Address: 712 Lewelling Blvd city S. Leandro zip 94579

Closure plan attached? Y N DepRef remaining \$ \_\_\_\_\_

DepRef Project # \_\_\_\_\_ STID #(if any) 4275

Number of Tanks: \_\_\_\_\_ removed? Y N Date of removal \_\_\_\_\_

Leak Report filed? Y N Date of Discovery \_\_\_\_\_

Samples received? Y N Contamination: \_\_\_\_\_

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

Monitoring wells on site \_\_\_\_\_ Monitoring schedule? Y N

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

Briefly describe the following:

Preliminary Assessment \_\_\_\_\_

Remedial Action \_\_\_\_\_

Post Remedial Action Monitoring \_\_\_\_\_

Enforcement Action

RW

UST LEAK Date of Last Review/Update September 5, 1991 Current Date September 5, 1991  
SITE UPDATE

SITE IDENTIFICATION

Name ARCO Service Station 601 Case No. \_\_\_\_\_  
Address 712 Lewelling Boulevard  
Street Number Street  
San Leandro  
City ZIP Code  
County Alameda Substance Gasoline  
Local Agency Alameda County Health Care Services Agency  
Regional Board Regional Water Quality Control Board - San Francisco Bay Area

LEAD STAFF PERSON ACHCSA - Larry Seto

CASE TYPE

☐ Undetermined ☐ Soil Only ☒ Ground Water ☐ Drinking Water

STATUS (Date indicates when case moved into status)

<input type="checkbox"/> No Action Taken	Date	_____
<input checked="" type="checkbox"/> Leak Being Confirmed	Date	<u>5/89</u>
<input checked="" type="checkbox"/> Preliminary Site Assessment Workplan Submitted	Date	<u>11/89</u>
<input checked="" type="checkbox"/> Preliminary Site Assessment Underway	Date	<u>6/90</u>
<input checked="" type="checkbox"/> Pollution Characterization	Date	<u>3/91</u>
<input checked="" type="checkbox"/> Remediation Plan	Date	<u>11/91</u>
<input type="checkbox"/> Remedial Action Underway	Date	_____
<input type="checkbox"/> Post Remedial Action Monitoring	Date	_____
<input type="checkbox"/> Case Referred to Regional Board (ACHCSA)	Date	_____
<input type="checkbox"/> Case Referred to Dept. of Health Services	Date	_____
<input type="checkbox"/> Case Closed	Date	_____

COMMENTS/MILESTONES:

USTs replaced and 550 cubic yards contaminated soil removed from site in January 1990 during tank replacement. Monthly bailing of product from wells (as needed) is ongoing. Submitted a proposal for an additional subsurface investigation and to design and permit on interim soil and groundwater remediation system on 11/11/91. Installed a Horner EZY floating product skimmer in MW-3 on 12/24/91.

RECENT ACTIVITIES/FINDINGS:

Last Quarter Activities: Installed 5 vapor extraction/monitoring wells (June/July 1991); performed a Vapor Extraction Test. Performed quarterly groundwater monitoring and reporting.

Current Quarter Activities: Submitted Subsurface Environmental Assessment on 10/21/91. Submitted a proposal for an additional subsurface investigation and to design and permit on interim soil and groundwater remediation system on 11/11/91. Installed a Horner EZY floating product skimmer in MW-3 on 12/24/91.

ANTICIPATED ACTIVITIES:

Next Quarter Activities: ARCO to perform groundwater monitoring, research groundwater treatment alternatives, prepare Addendum to Work Plan, and prepare quarterly groundwater monitoring report.

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

REPORTDATECONSULTANT

Third Quarter 1991 Groundwater  
Monitoring Report at ARCO Station 601  
69034.03

11/22/91

RESNA

Subsurface Environmental Assessment and  
Vapor Extraction System at ARCO Station 601  
69034.04

10/21/91

RESNA

Quarterly Ground-Water Monitoring  
Second Quarter 1991 at ARCO Station 601  
69034.03

7/2/91

RESNA

Site Safety Plan, Subsurface Environmental  
Investigation at ARCO Service Station 601,  
RESNA/AGS Report 69034.04S

5/21/91

RESNA/Applied  
GeoSystems

Addendum Two to Work Plan  
69034.05

5/15/91

RESNA/Applied  
GeoSystems

Quarterly Ground-Water Monitoring  
First Quarter 1991 at ARCO Station 601  
69034.03

3/24/91

RESNA

Work Plan for Subsurface Investigation  
and Remediation at ARCO Station 601,  
RESNA/AGS Report 69034-4W

3/21/91

RESNA

Addendum One to Work Plan  
at ARCO Station 601,  
RESNA Report 69034.04

3/21/91

RESNA/Applied  
GeoSystems

Subsurface Environmental Assessment  
at ARCO Station 601,  
RESNA/AGS Report 69034-2

12/14/90

RESNA/Applied  
GeoSystems

Quarterly Ground-Water Monitoring  
Forth Quarter 1990 at ARCO 601  
69034.03

11/30/90

Applied GeoSystems

Tank Replacement Report,  
ARCO Service Station #601,  
San Leandro, California,  
GSI Report 7918-2

6/29/90

GeoStrategies, Inc.

Proposed Scope of Work,  
ARCO Service Station #601,  
San Leandro, California,  
GSI Report 7918-2

11/14/89

GeoStrategies, Inc.

Limited Environmental Site Assessment  
at ARCO Service Station No. 601,  
San Leandro, California,  
AGS Report 69034-1

11/9/89

Applied GeoSystems

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



Date: October 14, 1991

Re: ARCO Station #

" I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached proposal or report are true and correct."

Submitted by:

Kyle A. Christie  
Environmental Engineer

91 OCT 15 PM 2:29



October 14, 1991

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

Attention: Mr. Edgar Howell

**ARCO Products Company Facilities in Alameda County**

Dear Mr. Howell:

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

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

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

ARCO is planning a subsequent QSR submittal for ARCO sites on January 15, 1992. Please do not hesitate to contact me with any questions regarding this submittal.

Sincerely,

  
Kyle A. Christie  
Environmental Engineer

Attachments:  
ARCO Facility QSRs

UST LEAK                      Date of Last                      Current  
SITE UPDATE              Review/Update      April 15, 1991              Date      September 6, 1991

#### SITE IDENTIFICATION

Name      ARCO Service Station 601                      Case No. \_\_\_\_\_  
Address      712 Lewelling Boulevard  
                    Street Number                      Street  
                    San Leandro                      City                      ZIP Code  
County      Alameda                      Substance      Gasoline  
Local Agency      Alameda County Health Care Services Agency  
Regional Board      Regional Water Quality Control Board - San Francisco Bay Area

LEAD STAFF PERSON      ACHCSA - Larry Seto

#### CASE TYPE

\_\_\_\_\_ Undetermined      \_\_\_\_\_ Soil Only        X   Ground Water      \_\_\_\_\_ Drinking Water

#### STATUS (Date indicates when case moved into status)

_____	No Action Taken	
<u>  X  </u>	Leak Being Confirmed	Date      5/89
<u>  X  </u>	Preliminary Site Assessment Workplan Submitted	Date      11/89
<u>  X  </u>	Preliminary Site Assessment Underway	Date      6/90
<u>  X  </u>	Pollution Characterization	Date      3/91
_____	Remediation Plan	Date      _____
_____	Remedial Action Underway	Date      _____
_____	Post Remedial Action Monitoring	Date      _____
_____	Case Referred to Regional Board (ACHCSA)	Date      _____
_____	Case Referred to Dept. of Health Services	Date      _____
_____	Case Closed	Date      _____

#### REMEDIAL ACTIONS

USTs replaced and 550 cubic yards contaminated soil removed from site in January 1990 during tank replacement. Monthly bailing of product from wells (as needed) is ongoing.

#### COMMENTS

Last Quarter Activities: Performed quarterly ground-water monitoring and reporting. Submitted Work Plan for Subsurface Investigation and Remediation and Addendum One to Work Plan (3/21/91).

Current Quarter Activities: Installed 5 vapor extraction/monitoring wells (June/July); performed a Vapor Extraction Test. Performed quarterly ground-water monitoring and reporting.

Next Quarter Activities: Submit report of vapor extraction test and investigation. Research ground water treatment alternatives. Prepare Addendum to Work Plan.

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

<u>REPORT</u>	<u>DATE</u>	<u>CONSULTANT</u>
Quarterly Ground-Water Monitoring Second Quarter 1991 at ARCO Station 601 69034.03	7/2/91	RESNA
Site Safety Plan, Subsurface Environmental Investigation at ARCO Service Station 601, RESNA/AGS Report 69034.04S	5/21/91	RESNA/Applied GeoSystems
Quarterly Ground-Water Monitoring First Quarter 1991 at ARCO Station 601 69034.03	3/24/91	RESNA
Work Plan for Subsurface Investigation and Remediation at ARCO Station 601, RESNA/AGS Report 69034-4W	3/21/91	RESNA
Addendum One to Work Plan at ARCO Station 601, RESNA Report 69034.04	3/21/91	RESNA/Applied GeoSystems
Subsurface Environmental Assessment at ARCO Station 601, RESNA/AGS Report 69034-2	12/14/90	RESNA/Applied GeoSystems
Quarterly Ground-Water Monitoring Forth Quarter 1990 at ARCO 601 69034.03	11/30/90	Applied GeoSystems
Tank Replacement Report, ARCO Service Station #601, San Leandro, California, GSI Report 7918-2	6/29/90	GeoStrategies, Inc.
Proposed Scope of Work, ARCO Service Station #601, San Leandro, California, GSI Report 7918-2	11/14/89	GeoStrategies, Inc.
Limited Environmental Site Assessment at ARCO Service Station No. 601, San Leandro, California, AGS Report 69034-1	11/9/89	Applied GeoSystems

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 24, 1991

Mr. Chuck Carmel  
Arco Products Company  
P.O.Box 5811  
San Mateo, Ca 94402

Re: Arco Station #601, 712 Lewelling Blvd., San Leandro

Dear Mr. Carmel:

I have reviewed your Quarterly Groundwater Monitoring Report, dated March 24, 1991. This report identified a product sheen in MW-1 and MW-3. MW-2 contained 13,000 PPb TPH(gas), and 1500, 970, 390 and 1500 PPb BTEX respectively. In addition, 18 PPb methylene chloride was also detected.

Your "Addendum Two to Work Plan, Interim Product Recovery" dated May 15, 1991, prepared by Applied GeoSystems, proposes pumping floating products from MW-1 and MW-3 for disposal off-site. MW-2 has a substantial amount of dissolved products, but was not addressed. ~~This plan is acceptable with the condition that the groundwater system remediation be installed on an accelerated schedule.~~

If you have any questions, please call me at 271-4320.

Sincerely,

  
Larry Seto  
Senior Hazardous Materials Specialist

LS:lp

cc: Gil Jensen, Alameda County District Attorney's Office  
RWQCB  
DHS  
San Leandro Fire Dept.  
Rafat Shahid, Alameda County Assistant Agency Director  
files

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                      Current  
SITE UPDATE   Review/Update                      Date   July 15, 1991

SITE IDENTIFICATION

Name                      ARCO SERVICE STATION #601                      Case No. \_\_\_\_\_  
Address                      712 Lewelling Boulevard  
                    Street Number                      Street  
                    San Leandro, CA  
                    City                      Zip Code  
                    Alameda County                      Substance   hydrocarbons  
                    County  
Local Agency                      Alameda County Environmental Health Department  
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)

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

REMEDIAL  
ACTION

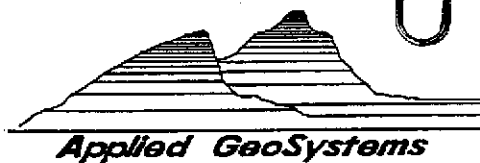
COMMENTS

ARCO is currently evaluating data from this site for further activities.

RESPONSIBLE PARTY IDENTIFICATION (Only if newly discovered or changed)

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





7 12. 91  
LS  
91 MAY 15 1991  
TRANSMITTAL

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

TO: MR. LARRY SETO  
ALAMEDA COUNTY HEALTH CARE SERVICE  
80 SWAN WAY  
ROOM 200  
OAKLAND, CA 94621

DATE: 5/15/91  
PROJECT NUMBER: 69034.05  
SUBJECT: ADDENDUM TWO TO WORK PLAN

FROM: JOEL COFFMAN  
TITLE: ASST. PROJECT GEOLOGIST

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via \_\_\_\_\_ the following items:

☐ Shop drawings ☐ Prints ☒ Reports ☐ Specifications

☐ Letters ☐ Change Orders ☐ \_\_\_\_\_

COPIES	DATED	NO.	DESCRIPTION
1	5/15/91	69034.05	ADDENDUM TWO TO WORK PLAN FOR ARCO STATION 601
			712 Sewerling Blvd.
			SL.

THESE ARE TRANSMITTED as checked below:

☐ For review and comment ☐ Approved as submitted ☐ Resubmit \_\_\_ copies for approval  
☒ As requested ☐ Approved as noted ☐ Submit \_\_\_ copies for distribution  
☐ For approval ☐ Return for corrections ☐ Return \_\_\_ corrected prints  
☐ For your files ☐ \_\_\_\_\_

REMARKS:

PER ARCO'S AUTHORIZATION COPIES OF REPORT HAVE BEEN FORWARDED  
FOR YOUR REVIEW.

COURIER SERVICE (SAME DAY DELIVERY)

Copies: 1 to AGS project file no. \_\_\_\_\_

SAN JOSE READER'S FILE

\*Revision Date: 10/15/90  
\*File Name: TRANSMT.PRJ

KEVIN M. AND ARUNA A. SHAH  
FACILITY #601

712 LEWELLING BLVD.,  
SAN LEANDRO, CA 94579  
MAY 3, 91

F. C. HOLGATE  
MANAGER, ARCO PRODUCT COMPANY  
2000 ALAMEDA LAS PULGAS, P.O. BOX 5811  
SAN MATEO, CA 94403

REF: YOUR NOTICE OF DEFAULT DATED APRIL 30, 91  
P 453 595 940

IN CONNECTION WITH ABOVE REF., I AM ENCLOSING A COPY  
OF ENVIRONMENT HEALTH INSPECTION REPORT.

DUE TO ELECTRICITY FAILURE ON JAN 20, 91, THERE WERE RED  
'ALARM' LIGHTS ON ALARM PANEL. IT WAS NOT POSSIBLE TO RESET  
TWO TANKS OUT OF FOUR. I HAVE CALLED EMERGENCY MAINTENANCE

WILLIAM FAULHABER, ALAMEDA COUNTY HEALTH AGENCY-SPECIALIST  
WAS AT THE FACILITY ON WED 23, 91. I AND HE CALLED 971242,  
AND TALKED TO KAREN SCHULCHERS TO CORRECT THIS PROBLEM.

I HAVE PERFORMED TO INFORM ARCO AND I AM NOT AT DEFAULT.

THANKING YOU.

SINCERELY



DEALER FACILITY #601

white -env.health  
yellow -facility  
pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name Arco Facility # 6091 Today's Date July 31/11  
Site Address 712 Lockelling Blvd. EPA ID# \_\_\_\_\_  
City San Leandro Zip 94579 Phone 485-5257

MAX Amt. Stored > 500lbs/55g/200cf? Y N  
Hazardous Waste generated per month? \_\_\_\_\_

### Inspection Categories:

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

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

### IA GENERATOR (Title 22)

	1. Waste ID	66471
	2. EPA ID	66472
	3. > 90 days	66508
	4. Label dates	66508
	5. Biennial	66493
Manifest	6. Records	66492
	7. Correct	66484
	8. Copy sent	66492
	9. Exception	66484
	10. Copies Rec'd	66492
	11. Treatment	66371
	12. On-site Disp. (H.S.&C.)	26189.5
	13. Ex Haz. Waste	66570
Prevention	14. Communications	67121
	15. Aisle Space	67124
	16. Local Authority	67126
	17. Maintenance	67120
	18. Training	67105
Conf. gency	19. Prepared	67140
	20. Name List	67141
	21. Copies	67141
	22. Emg. Coord. Tmg.	67144
Containers, Tanks	23. Condition	67241
	24. Compatibility	67242
	25. Maintenance	67243
	26. Inspection	67244
	27. Buffer Zone	67246
	28. Tank inspection	67259
	29. Containment	67245
	30. Safe Storage	67261
	31. Freeboard	67257

### Comments:

1. Arco tanks as of last year.

2. No auto servicing other than gasoline sales.

3. 4,000 gallon inventory of gasoline. Only has 4 tanks now, but was billed for 5.

Mr. Shah asked for reg. for last year.

4. Leak detection device: two of four tanks showed red "alarm" lights.

Operator pushed reset, but "alarm" lights stayed on. Arco maintenance phone number is supposed to be 571-2427/8/9.

Operator says lights on since last weekend.

cl spoke to Karen Schulcheis at Arco. She says operator is supposed to call in whenever they happen.

5. Old repair-shop lifts still in place. There may include underground hydraulic fluid tanks.

6. Kardia at Arco says repair person will be out later today to check on leak detector.

THIS WAS HAPPEN BECAUSE OF ELECTRICITY FAILURE. ARCO EMERGENCY WAS CALLED.

### IB TRANSPORTER (Title 22)

	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
	36. EPA ID #s	66531
	37. Correct	66541
	38. HW Delivery	66543
	39. Records	66544
Conf/le	40. Name/ Covers	66545
	41. Recyclables	66800

6/88

Contact: Mr. Arvid M. Shah

Title: Manager

Signature: [Signature]

Inspector: William F. Finthaler

Signature: [Signature]

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

April 18, 1991

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

RE: Arco Station #601, 712 Lewelling Blvd., San Leandro

Dear Mr. Carmel:

I have reviewed your workplan for **Subsurface Investigations and Remediation and Addendum One to work plan**, both dated March 21, 1991, that was prepared by Applied GeoSystems. They are accepted. Bay Area Air Quality Management District should be contacted to verify if a permit is needed to perform your soil-vapor extraction performance test.

If you have any questions, please contact me at 271-4320.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Larry Seto', written over a horizontal line.

Larry Seto  
Senior Hazardous Materials Specialist

LS:lp

cc: Gil Jensen, Alameda County District Attorney  
RWQCB  
Howard Hatayama, DHS  
Joel Coffman, Applied GeoSystems  
Rafat Shahid, Alameda County Assistant Agency Director  
files

white -env.health  
yellow -facility  
pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name Arco Facility # 601 Today's Date May 23/91  
Site Address 712 Levee Blvd. EPA ID# \_\_\_\_\_  
City San Leandro Zip 94579 Phone 483-3237

MAX Amt. Stored > 500lbs/55g/200cf? Y N  
Hazardous Waste generated per month? \_\_\_\_\_

### Inspection Categories:

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

HMM on file  
done  
5/23/91

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

### LA GENERATOR (Title 22)

	1. Waste ID	* 66471
	2. EPA ID	66472
	3. > 90 days	66508
	4. Label dates	66508
	5. Biennial	66493
Manifest	6. Records	66492
	7. Correct	66484
	8. Copy sent	66492
	9. Exception	66484
	10. Copies Rec'd	66492
Misc.	11. Treatment	66371
	12. On-site Disp. (H.S.&C.)	26189.5
	13. Ex Haz. Waste	66570
Prevention	14. Communications	67121
	15. Aisle Space	67124
	16. Local Authority	67126
	17. Maintenance	67120
	18. Training	67105
Cont'n.	19. Prepared	67140
Agency	20. Name List	67141
	21. Copies	67141
	22. Emg. Coord. Trng.	67144
Containers, Tanks	23. Condition	67241
	24. Compatibility	67242
	25. Maintenance	67243
	26. Inspection	67244
	27. Buffer Zone	67246
	28. Tank Inspection	67259
	29. Containment	67245
	30. Safe Storage	67261
	31. Freeboard	67257

### Comments:

1. All new tanks as of last year.  
2. No auto servicing other than gasoline sales. City of San Leandro's responsibility.  
3. 40,000 gallon inventory of gasoline. Only has 4 tanks now, but was billed for 5. Mr. Shah asked for refund for last year.  
4. Leak detection device: two of four tanks showed red "alarm" lights. Operator pushed reset, but "alarm" lights stayed on. Arco maintenance phone number is supposed to be 571-2427/8/9. Operator says lights on since last weekend. I spoke to Karen Schulchais at Arco. She says operator is supposed to call in whenever this happens. 5. Old repair shop lifts still in place. These may include underground hydraulic fluid tanks. 6. Karen at Arco says repair person will be out later today to check on tank detector.  
\* THIS WAS HAPPEN BECAUSE OF ELECTRICITY FAILURE. ARCO EMERGENCY WAS CALLED FOR AROGATIC REPAIR.

### LB TRANSPORTER (Title 22)

	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
	36. EPA ID #s	66531
	37. Correct	66541
	38. HW Delivery	66543
	39. Records	66544
Cont'n.	40. Name/ Covers	66545
	41. Recyclables	66800

Rev 6/88

Contact: Mr. Arvind M. Shah  
Title: Operator  
Signature: Arvind M. Shah

Inspector: William F. Fauthhaber  
Signature: William F. Fauthhaber

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	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
<del>1784/LA1469</del>	<del>Tharce</del>	<del>2222 Grant Ave.</del>	<del>580</del>	<del>07/28/89</del>	<del>C</del>
779/HL7119	Arco Station #00608	17601 Hesperian Blvd.	580	08/14/89	C

Report Total : 26

Arco Stati

Status Codes: C=Current/Part2 M=Current/Part1 P=awaiting busPla  
B=ready for Billing A=ready for Billing I=Inactive

6211 Star Pass  
20 11/67 App.

December 12, 1990

To: Staff

From: Ariu Levi, Supervisor

Re: Boiler Plate Letters

There is a strong possibility that the letter you have been putting off writing has already been written. You just don't know it.

I feel that many of us are writing the same basic letter from scratch concerning the same basic problem because we don't know who else has already written that letter. It would seem that a boiler plate approach to at least some of the letters generated by the office would be both appropriate and more efficient.

To test this idea I have placed a disk in the computer room labelled "BOILER PLATE LETTERS" for all of you to input examples you have written that you consider potential candidates for boiler plate use. Letters that you wish to input should be under general category names such as "GEN-1...", "ER-1...", "MORE \$-1...", "NOV-1", etc., with what ever number would follow the last example that was input. As the disk fills, the Seniors and I will review the examples to make sure that they are relevant and if it makes sense we will consolidate different letters into one.

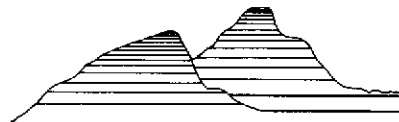
Use of a disk for this purpose, as opposed to the letter board, has its advantages. With such a disk there will (hopefully) be many examples of letters in one place to draw from. Using a disk will allow you to transfer example letter(s) to your own disk for minor changes before use as opposed to having to type the entire letter. With time the boiler plate letters disk can become a training tool for new people or for the existing staff as they encounter problems new to them.

The mechanics of transferring a document from one disk to another is straightforward. If you have any questions please ask Melanie or consult your computer notes.

This memo addresses a request and not a requirement. I feel that such a disk could become a valuable tool. How valuable it becomes will depend on each staff member putting in the extra effort to share their knowledge by way of the letters they write with the rest of the of the staff.

If you have any questions concerning the contents of this memo please feel free to discuss them with me.

mem1212



**Applied GeoSystems**

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

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

1127/lset  
AGS 69034-2

Mr. Larry Seto  
Hazardous Materials Specialist  
Alameda County Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, California 94621

Subject: Response to letter dated November 16, 1990 regarding ARCO Station 601,  
712 Lewelling Boulevard, San Leandro, California.

Mr. Seto:

On behalf of ARCO Products Company, this letter is in response to your letter dated November 16, 1990 requesting quarterly monitoring data for the wells at the subject site. A report, including a discussion of the well installation and results of the initial well sampling, has been prepared and is currently in draft form. We expect this report to be issued in final form shortly. In addition, quarterly monitoring of the wells at the site was initiated on October 15, 1990. We are currently preparing a report for this 4th quarter 1990 monitoring episode, which we expect to have completed within approximately 2 weeks.

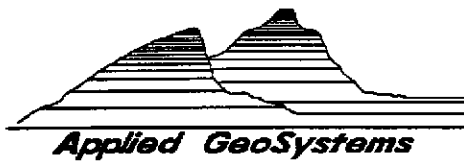
Please call me at (408) 264-7723 if you have any questions. Thank you.

Sincerely,  
Applied GeoSystems

  
Greg Barclay  
Branch Manager

cc: Mr. Kyle Christie, ARCO Products Company





90 NOV 28 AM 11:36

## TRANSMITTAL

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

TO: MR. LARRY SETO  
ALAMEDA COUNTY DEPT. OF  
ENVIRONMENTAL HEALTH  
80 SWAN WAY, ROOM 200  
OAKLAND, CA 94621  
FROM: GREG BARCLAY  
TITLE: BRANCH MANAGER

DATE: 11/27/90  
PROJECT NUMBER: 69034-2  
SUBJECT: RESPONSE TO LETTER

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via \_\_\_\_\_ the following items:

☐ Shop drawings ☐ Prints ☐ Reports ☐ Specifications

☒ Letters ☐ Change Orders ☐ \_\_\_\_\_

COPIES	DATED	NO.	DESCRIPTION
1	11/27/90	69034-2	RESPONSE TO LETTER DATED NOVEMBER 16, 1990
			REGARDING ARCO STATION 601, 712 LEWELLING
			BOULEVARD, SAN LEANDRO, CA.

THESE ARE TRANSMITTED as checked below:

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

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Copies: 1 to AGS project file no. 69034-2 SJ READER'S FILE

\*Revision Date: 10/15/90  
\*File Name: TRANSMT.PRJ

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

Certified Mail #P 062 128 316

November 16, 1990

Mr. Kyle Christie  
Arco Petroleum Products  
2000 Alameda de Las Pulgas  
San Mateo, CA 94403

RE: Arco Station #0601, 712 Lewelling Blvd., San Leandro, CA

Dear Mr. Christie:

Please submit to this office, a copy of all quarterly monitoring well reports for the wells at the above site, from the installation date.

If you have any questions, please contact me at 271-4320.

Sincerely,

Larry Seto, Senior,  
Hazardous Materials Specialist

LS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protections Agency

RWQCB

Howard Hatayama, DOHS

Rafat A. Shahid, Assistant Agency Director, Environmental Health

~~File~~

712 LEWELLING Blvd. S.C.  
P 062 128 316

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

PS Form 3800, June 1985

Sent to <b>ARCO Petroleum</b>	
Street and No. <b>2000 Alameda de las Pulgas</b>	
P.O. State and ZIP Code <b>San Mateo</b>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

● **Postmaster:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: <b>Mr Kyle Christie</b> <b>ARCO Petroleum</b> <b>2000 Alameda de las Pulgas</b> <b>San Mateo, CA 94403</b>	4. Article Number <b>P062128316</b> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b>
5. Signature — Addressee <b>X</b>	8. Addressee's Address (ONLY if requested and fee paid) <b>ARCO</b> <b>712 Lewelling Blvd</b> <b>San Mateo</b>
6. Signature — Agent <b>X</b>	
7. Date of Delivery <b>NOV 19 1990</b>	

ARCO Products Company

2000 Alameda de las Pulgas

Mailing Address: Box 5811

San Mateo, California 94402

Telephone 415 571 2400



March 6, 1990

Environmental Health Department  
Hazardous Materials Division  
80 Swan Way Room 200  
Oakland, Ca. 94621

Attn: Rafat Shahid

Re: Tank Test Results

ARCO # 601

712 Lewelling Blvd.

San Leandro Ca. 94544 94579

Dear Sirs:

This letter is to notify you that the tanks and piping at the above facility passed the latest tank test, as noted in the attached test results.

ARCO is committed to the compliance of all environmental laws that govern the safe operation of underground storage tanks. Feel free to call me at 415-571-2424.

Sincerely,

ARCO Products Company  
a division of Atlantic Richfield Company

C. A. Holman  
Env. Compl. Engineer

CAH:cc  
Enclosure  
Form #1

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

<b>EMERGENCY</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<b>FOR LOCAL AGENCY USE ONLY</b> 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.	
<b>REPORT DATE</b> 01/08/90		<b>CASE #</b> 712-2CW		<b>SIGNED</b> _____ <b>DATE</b> JAN 16 1990	
REPORTED BY	<b>NAME OF INDIVIDUAL FILING REPORT</b> Ron Figueroa		<b>PHONE</b> (415) 577-3318		<b>SIGNATURE</b> Ron Figueroa
	<b>REPRESENTING</b> <input checked="" type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER		<b>COMPANY OR AGENCY NAME</b> San Leandro Fire Dept		
	<b>ADDRESS</b> 835 E. 14th St. San Leandro CA 94577				
RESPONSIBLE PARTY	<b>NAME</b> Arco		<b>CONTACT PERSON</b> Ron Miles		<b>PHONE</b> (800) 825-4444
	<b>ADDRESS</b> 2000 Alameda de las Pulgas Unk CA				
SITE LOCATION	<b>FACILITY NAME (IF APPLICABLE)</b> Arco Gas Station		<b>OPERATOR</b> Arco		<b>PHONE</b> ( ) Unk.
	<b>ADDRESS</b> 712 Levee Blvd. San Leandro Ala. 945				
	<b>CROSS STREET</b> Washington Blvd.		<b>TYPE OF AREA</b> <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		<b>TYPE OF BUSINESS</b> <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER
	<b>LOCAL AGENCY</b> San Leandro PD				
IMPLEMENTING AGENCIES	<b>AGENCY NAME</b> San Leandro PD		<b>CONTACT PERSON</b> Ron Figueroa		<b>PHONE</b> (415) 577-3318
	<b>REGIONAL BOARD</b> ( )				
SUBSTANCES INVOLVED	<b>(1) NAME</b> Petroleum Product		<b>QUANTITY LOST (GALLONS)</b> <input checked="" type="checkbox"/> UNKNOWN		
	<b>(2)</b> <input type="checkbox"/> UNKNOWN				
DISCOVERY/ABATEMENT	<b>DATE DISCOVERED</b> 01/08/90		<b>HOW DISCOVERED</b> <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER		
	<b>DATE DISCHARGE BEGAN</b> ( ) UNKNOWN		<b>METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)</b> <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	<b>HAS DISCHARGE BEEN STOPPED?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 01/08/90				
SOURCE/CAUSE	<b>SOURCE OF DISCHARGE</b> <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		<b>TANKS ONLY/CAPACITY</b> 6000 to 120 GAL. AGE 28 to 31 YRS <input type="checkbox"/> UNKNOWN		<b>MATERIAL</b> <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER
	<b>CAUSE(S)</b> <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	<b>CHECK ONE ONLY</b> <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	<b>CHECK ONE ONLY</b> <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	<b>CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)</b> <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT) Unknown				
COMMENTS	I observed a strong smell of gas as the tanks were removed and in conjunction I visually noticed raw petroleum product in the excavated area. I was informed at a later date that the test results for soil sampling, consisted of 190 to 2600 PPM on a TPH.				

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
30 Swan Way, Rm. 100  
Oakland, CA 94612  
(415)

December 12, 1989

Mr. John Werfal, Project Manager  
Gettler-Ryan, Inc.  
1992 National Avenue  
Hayward, CA 94545-1787

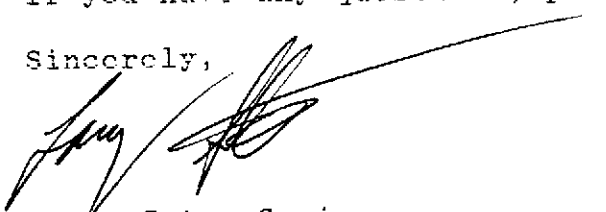
RE: Arco Station #0601, 712 Lowelling Blvd., San Leandro, CA

Dear Mr. Werfal:

I have reviewed the **Proposed Scope of Work** dated November 14, 1989, that was prepared by GeoStrategies, Inc. for the above site. This workplan is accepted with the stipulation that soil samples be taken at the soil/groundwater interface in addition to groundwater sample(s) if groundwater is present during the excavation.

If you have any questions, please contact me at, 271-4320.

Sincerely,



Larry Seto, Senior  
Hazardous Materials Specialist

LS:mnc

cc: San Leandro Fire  
RWQCB  
Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Agency  
Rafat A. Shahid, Assistant Agency Director, Environmental  
Health  
Files



gettler — ryan inc.

general contractors

December 7, 1989

Mr. Larry Seto  
Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, California 94621

Reference: ARCO Service Station  
712 Lewelling Boulevard  
San Leandro, California

Gentlemen:

In addition to the work proposed in GeoStrategies Inc.'s November 14, 1989 Work Plan, soil samples will be collected from the tank excavation at the soil/water interface. Per our conversation on November 30, 1989 with the inclusion of the above sampling, the Work Plan for this site is acceptable to the County of Alameda Division of Hazardous Materials.

Please do not hesitate to call should you have any questions or comments.

Sincerely,

John P. Werfal  
Project Manager

cc: Mr. Guy Pelham, San Leandro Fire Prevention Bureau

Time Table for Soil and Groundwater Investigation  
ARCO Service Station  
712 Lewelling Boulevard  
San Leandro, California

<u>Task</u>	<u>Date</u>
Excavate contaminated soils.	November/December, 1989
Complete installation of groundwater monitoring wells.	December 15, 1989
Complete groundwater sampling.	December 21, 1989
Receive groundwater analytical data from laboratory.	January 11, 1990
Issue a report documenting the findings of the investigation.	February 2, 1990
Additional scopes of work, if necessary, will be proposed following the completion of the initial site investigation.	

The above time table is contingent upon beginning the tank replacement project by November 20, 1989. If there are delays in the tank replacement project, the time table will be adjusted accordingly.







Jettler — ryan inc.

general contractors

November 14, 1989

County of Alameda  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, California 94621

Attention: Mr. Larry Seto

Reference: ARCO Service Station #0601  
712 Lewelling Boulevard  
San Leandro, California

Gentlemen:

As directed by ARCO Products Company, we are forwarding a copy of the **Work Plan** prepared by GeoStrategies Inc., dated November 14, 1989, for the above referenced location. Also enclosed is a check in the amount of \$831.00 to cover the necessary fees.

A time schedule for the performance of the tasks outlined in the enclosed Work Plan is attached.

Should you have any questions or comments regarding this project please call.

Sincerely,

John P. Werfal  
Project Manager

JPW/ch

enclosures

cc: Mr. Kyle Christie, ARCO Products Company  
Mr. Tom Callaghan, Regional Water Quality Control Board  
Mr. Ron Figuera, San Leandro Fire Department

4552965  
11/16/89

ALAMEDA COUNTY  
 DEPT. OF ENVIRONMENTAL HEALTH  
 HAZARDOUS MATERIALS  
 Am 9/14/89  
 EHA

# 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. SIGNED: <u>Carla Bell</u> DATE: <u>8-30-89</u>	
REPORT DATE 08/07/89		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <u>Tina Berry</u>		PHONE (408) 984-6536		SIGNATURE <u>As Agent for ARSO</u> <u>Tina Berry</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>Pacific Environmental Group, Inc.</u>		
	ADDRESS <u>1601 Civic Center Drive, #202</u> <u>Santa Clara</u> <u>CA</u> <u>95050</u>				
RESPONSIBLE PARTY	NAME <u>ARSO Petroleum Products Co.</u> <input type="checkbox"/> UNKNOWN		CONTACT PERSON <u>Marty Basques</u>		PHONE <u>(415) 571-2429</u>
	ADDRESS <u>P.O. Box 5811</u> <u>San Mateo</u> <u>CA</u> <u>94402</u>				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) <u>ARSO Station #601</u>		OPERATOR <u>Arvind &amp; Aruna Shah</u>		PHONE <u>(415) 483-3237</u>
	ADDRESS <u>712 Lewelling Blvd.</u> <u>San Leandro</u> <u>Alameda</u> <u>94579</u>				
	CROSS STREET <u>Washington</u>		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 <u>San Leandro Fire Department</u>		CONTACT PERSON <u>Joe Ferreira</u>		PHONE <u>(415) 577-3316</u>
	REGIONAL BOARD <u>San Francisco Bay Region</u>		CONTACT PERSON <u>Don Balke</u>		PHONE <u>(415) 464-1255</u>
SUBSTANCES INVOLVED	(1) NAME <u>Gasoline</u>		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN		
	(2)		<input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED <u>08/03/89</u>		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER <u>Pre-drilling</u>		
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, DATE				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <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 type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" 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 checked="" 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	<u>Pre-drilling prior to tank replacement encountered gasoline contaminated soils and groundwater.</u>				

## 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 2600 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 25190.7, 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, 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 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 actions 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.
- 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 tact 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.

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

<b>EMERGENCY</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<b>FOR LOCAL AGENCY USE ONLY</b> I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE.	
<b>REPORT DATE</b> 01/08/90		<b>CASE #</b> 712-2CW		<b>SIGNED</b> _____ <b>DATE</b> _____	
REPORTED BY	<b>NAME OF INDIVIDUAL FILING REPORT</b> Ron Figueroa		<b>PHONE</b> (415) 577-3318		<b>SIGNATURE</b> <i>Ron Figueroa</i>
	<b>REPRESENTING</b> <input checked="" type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER		<b>COMPANY OR AGENCY NAME</b> San Leandro Fire Dept.		
	<b>ADDRESS</b> 835 E. 14th St. San Leandro CA 94577				
RESPONSIBLE PARTY	<b>NAME</b> Arco <input type="checkbox"/> UNKNOWN		<b>CONTACT PERSON</b> Ron Miles		<b>PHONE</b> (800) 825-4444
	<b>ADDRESS</b> 2000 Alameda de las Pulgas Oak CA 94577				
SITE LOCATION	<b>FACILITY NAME (IF APPLICABLE)</b> Arco Gas Station		<b>OPERATOR</b> Arco		<b>PHONE</b> ( ) UNK.
	<b>ADDRESS</b> 712 Lewelling Blvd. San Leandro Ala. 94577				
	<b>CROSS STREET</b> Washington Blvd.		<b>TYPE OF AREA</b> <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		<b>TYPE OF BUSINESS</b> <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER
IMPLEMENTING AGENCIES	<b>LOCAL AGENCY</b> San Leandro PD		<b>CONTACT PERSON</b> Ron Figueroa		<b>PHONE</b> (415) 577-3318
	<b>REGIONAL BOARD</b>		<b>PHONE</b> ( )		
SUBSTANCES INVOLVED	(1) <b>NAME</b> Petroleum Product		<b>QUANTITY LOST (GALLONS)</b> <input checked="" type="checkbox"/> UNKNOWN		
	(2)		<input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	<b>DATE DISCOVERED</b> 01/08/90		<b>HOW DISCOVERED</b> <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER		
	<b>DATE DISCHARGE BEGAN</b> <input type="checkbox"/> UNKNOWN		<b>METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)</b> <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	<b>HAS DISCHARGE BEEN STOPPED?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 01/08/90				
SOURCE/CAUSE	<b>SOURCE OF DISCHARGE</b> <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		<b>TANKS ONLY/CAPACITY</b> 6000 to 120 GAL. AGE 28 to 31 YRS <input type="checkbox"/> UNKNOWN		<b>MATERIAL</b> <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER
					<b>CAUSE(S)</b> <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	<b>CHECK ONE ONLY</b> <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	<b>CHECK ONE ONLY</b> <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	<b>CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)</b> <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT) <u>Unknown</u>				
COMMENTS	I observed a strong smell of gas as the tanks were removed and in conjunction I visually noticed raw petroleum product in the excavated area. I was informed at a later date that the test results for soil sampling, consisted of 190 to 2600 PPM on a TPH.				

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

<b>EMERGENCY</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>FOR LOCAL AGENCY USE ONLY</b> 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. SIGNED: <u>CEW Pelt</u> DATE: <u>8-30-89</u>	
<b>REPORT DATE</b> 0 8 0 1 1 8 9		<b>CASE #</b> 1			
<b>REPORTED BY</b>	<b>NAME OF INDIVIDUAL FILING REPORT</b> Tina Berry		<b>PHONE</b> (408) 984-6536		<b>SIGNATURE</b> As Agent for ARCO <u>Tina Berry</u>
	<b>REPRESENTING</b> <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		<b>COMPANY OR AGENCY NAME</b> Pacific Environmental Group, Inc.		
	<b>ADDRESS</b> 1601 Civic Center Drive, #202 Santa Clara CA 95050				
<b>RESPONSIBLE PARTY</b>	<b>NAME</b> ARCO Petroleum Products Co. UNKNOWN		<b>CONTACT PERSON</b> Marty Basques		<b>PHONE</b> (415) 571-2429
	<b>ADDRESS</b> P.O. Box 5811 San Mateo CA 94402				
<b>SITE LOCATION</b>	<b>FACILITY NAME (IF APPLICABLE)</b> ARCO Station #601		<b>OPERATOR</b> Arvind & Aruna Shah		<b>PHONE</b> (415) 483-4237
	<b>ADDRESS</b> 712 Lewelling Blvd. San Leandro Alameda 94579				
	<b>CROSS STREET</b> Washington		<b>TYPE OF AREA</b> <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		<b>TYPE OF BUSINESS</b> <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER
	<b>LOCAL AGENCY</b> San Leandro Fire Department		<b>AGENCY NAME</b> San Leandro Fire Department		<b>CONTACT PERSON</b> Joe Ferreira
<b>IMPLEMENTING AGENCIES</b>	<b>REGIONAL BOARD</b> San Francisco Bay Region		<b>CONTACT PERSON</b> Don Dalke		<b>PHONE</b> (415) 577-3316
					<b>PHONE</b> (415) 464-1255
<b>SUBSTANCES INVOLVED</b>	<b>(1) NAME</b> Gasoline		<b>QUANTITY LOST (GALLONS)</b> <input checked="" type="checkbox"/> UNKNOWN		
	<b>(2)</b>		<input type="checkbox"/> UNKNOWN		
<b>DISCOVERY/ABATEMENT</b>	<b>DATE DISCOVERED</b> 08/01/89		<b>HOW DISCOVERED</b> <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 <u>Predrilling</u>		
	<b>DATE DISCHARGE BEGAN</b> <input checked="" type="checkbox"/> UNKNOWN		<b>METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)</b> <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	<b>HAS DISCHARGE BEEN STOPPED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, DATE				
<b>SOURCE/CAUSE</b>	<b>SOURCE OF DISCHARGE</b> <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		<b>TANKS ONLY/CAPACITY</b> GAL. _____ AGE _____ YRS <input type="checkbox"/> UNKNOWN		<b>MATERIAL</b> <input type="checkbox"/> FIBERGLASS <input type="checkbox"/> STEEL <input type="checkbox"/> OTHER
					<b>CAUSE(S)</b> <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
<b>CASE TYPE</b>	<b>CHECK ONE ONLY</b> <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
<b>CURRENT STATUS</b>	<b>CHECK ONE ONLY</b> <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				
<b>REMEDIAL ACTION</b>	<b>CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)</b> <input type="checkbox"/> CAP SITE (CD) <input checked="" 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>				
<b>COMMENTS</b>	Predrilling prior to tank replacement encountered gasoline contaminated soils and groundwater.				



PACIFIC  
ENVIRONMENTAL  
GROUP INC.

August 8, 1989  
Project No. 330-03.01

*Page 2*

Mr. Joe Ferreira  
San Leandro Fire Department  
901 East 14th Street  
San Leandro, California 94577

*RECEIVED*  
AUG 18 1989  
*ENVIRONMENTAL BOARD*

Subject:

ARCO Station #601  
712 Lewelling Blvd.  
San Leandro, CA 94579

Dear Mr. Ferreira:

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.

*Tina Berry*  
Tina Berry  
Staff Geologist

enclosure

cc: SWRCB, Sacramento  
RWQCB, Oakland

89 AUG 16 PM 11  
SACRAMENTO  
OVER 100

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

<b>EMERGENCY</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>FOR LOCAL AGENCY USE ONLY</b> 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.		
<b>REPORT DATE</b> 08/07/91		<b>CASE #</b>		<b>SIGNED</b> _____ <b>DATE</b> _____		
REPORTED BY	<b>NAME OF INDIVIDUAL FILING REPORT</b> Tina Berry		<b>PHONE</b> (408) 984-6536		<b>SIGNATURE</b> As Agent for ARCO <i>Tina Berry</i>	
	<b>REPRESENTING</b> <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		<b>COMPANY OR AGENCY NAME</b> Pacific Environmental Group, Inc.			
	<b>ADDRESS</b> 1601 Civic Center Drive, #202 Santa Clara CA 95050					
RESPONSIBLE PARTY	<b>NAME</b> ARCO Petroleum Products Co. UNKNOWN		<b>CONTACT PERSON</b> Marty Basques		<b>PHONE</b> (415) 571-2429	
	<b>ADDRESS</b> P.O. Box 5811 San Mateo CA 94402					
SITE LOCATION	<b>FACILITY NAME (IF APPLICABLE)</b> ARCO Station #601		<b>OPERATOR</b> Arvind & Aruna Shah		<b>PHONE</b> (415) 483-3237	
	<b>ADDRESS</b> 712 Lewelling Blvd. San Leandro Alameda 94579					
	<b>CROSS STREET</b> Washington		<b>TYPE OF AREA</b> <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		<b>TYPE OF BUSINESS</b> <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER	
IMPLEMENTING AGENCIES	<b>LOCAL AGENCY</b> San Leandro Fire Department		<b>CONTACT PERSON</b> Joe Ferreira		<b>PHONE</b> (415) 577-3316	
	<b>REGIONAL BOARD</b> San Francisco Bay Region		<b>CONTACT PERSON</b> Don Dalke		<b>PHONE</b> (415) 464-1255	
SUBSTANCES INVOLVED	<b>(1) NAME</b> Gasoline					<b>QUANTITY LOST (GALLONS)</b> <input checked="" type="checkbox"/> UNKNOWN
	<b>(2)</b>					<input type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	<b>DATE DISCOVERED</b> 08/02/91		<b>HOW DISCOVERED</b> <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER Predrilling			
	<b>DATE DISCHARGE BEGAN</b> <input checked="" type="checkbox"/> UNKNOWN		<b>METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)</b> <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER			
	<b>HAS DISCHARGE BEEN STOPPED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, DATE					
SOURCE/CAUSE	<b>SOURCE OF DISCHARGE</b> <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		<b>TANKS ONLY/CAPACITY</b> AGE _____ YRS <input type="checkbox"/> UNKNOWN		<b>MATERIAL</b> <input type="checkbox"/> FIBERGLASS <input type="checkbox"/> STEEL <input type="checkbox"/> OTHER	
	<b>CAUSE(S)</b> <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	<b>CHECK ONE ONLY</b> <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	<b>CHECK ONE ONLY</b> <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	<b>CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)</b> <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input checked="" type="checkbox"/> OTHER (OT) To be determined					
COMMENTS	Predrilling prior to tank replacement encountered gasoline contaminated soils and groundwater.					

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

<b>EMERGENCY</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>FOR LOCAL AGENCY USE ONLY</b> I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE. SIGNED: <u>[Signature]</u> DATE: <u>8-30-89</u>	
<b>REPORT DATE</b> 8 / 30 / 89		<b>CASE #</b>			
REPORTED BY	<b>NAME OF INDIVIDUAL FILING REPORT</b> Tina Berry		<b>PHONE</b> (408) 984-6536		<b>SIGNATURE</b> As Agent for ARCO
	<b>REPRESENTING</b> <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER		<b>COMPANY OR AGENCY NAME</b> Pacific Environmental Group, Inc.		
	<b>ADDRESS</b> 1001 Civic Center Drive, #202 Santa Clara STREET CITY				
RESPONSIBLE PARTY	<b>NAME</b> ARCO Petroleum Products Co. <input checked="" type="checkbox"/> UNKNOWN		<b>CONTACT PERSON</b> Marty Basques		<b>PHONE</b> (415) 571-2429
	<b>ADDRESS</b> P.O. Box 9811 San Mateo CA 94402 STREET CITY STATE ZIP				
SITE LOCATION	<b>FACILITY NAME (IF APPLICABLE)</b> ARCO Station #601		<b>OPERATOR</b> Arvind & Aruna Shah		<b>PHONE</b> (415) 403-3237
	<b>ADDRESS</b> 712 Levealing Blvd. San Leandro Alameda 94579 STREET CITY COUNTY ZIP				
	<b>CROSS STREET</b> Washington		<b>TYPE OF AREA</b> <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		<b>TYPE OF BUSINESS</b> <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER
IMPLEMENTING AGENCIES	<b>LOCAL AGENCY</b> San Leandro Fire Department		<b>CONTACT PERSON</b> Joe Ferreira		<b>PHONE</b> (415) 577-3316
	<b>REGIONAL BOARD</b> San Francisco Bay Region		<b>CONTACT PERSON</b> Don Dalke		<b>PHONE</b> (415) 464-1255
SUBSTANCES INVOLVED	<b>(1) NAME</b> Gasoline				<b>QUANTITY LOST (GALLONS)</b> <input checked="" type="checkbox"/> UNKNOWN
	<b>(2)</b>				<input type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	<b>DATE DISCOVERED</b> 8 / 30 / 89		<b>HOW DISCOVERED</b> <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 Pre-drilling		
	<b>DATE DISCHARGE BEGAN</b> <input checked="" type="checkbox"/> UNKNOWN		<b>METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)</b> <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	<b>HAS DISCHARGE BEEN STOPPED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, DATE:				
SOURCE/CAUSE	<b>SOURCE OF DISCHARGE</b> <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		<b>TANKS ONLY/CAPACITY</b> GAL. AGE YRS. <input type="checkbox"/> UNKNOWN		<b>MATERIAL</b> <input type="checkbox"/> FIBERGLASS <input type="checkbox"/> STEEL <input type="checkbox"/> OTHER
	<b>CAUSE(S)</b> <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	<b>CHECK ONE ONLY</b> <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	<b>CHECK ONE ONLY</b> <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	<b>CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)</b> <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input checked="" type="checkbox"/> OTHER (OT) To be determined				
COMMENTS	Pre-drilling prior to tank replacement encountered gasoline contaminated soils and groundwater.				



## 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 25130.7, 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, 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 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 of tank size, 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 area.

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 Bioremediation - use of any available technology to promote natural decomposition of contaminants.

Replace Supply - provide alternative water supply to affected parties.

Treatment on Backup - 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.

SIGNATURES - Sign the form in the space provided.

DISTRIBUTION

[REDACTED]



Associated Environmental Systems, Inc.

July 6, 1989

ARCO PETROLEUM PRODUCTS  
P O Box 5811  
San Mateo, CA 94402

Attn: C A Holman

TANK LOCATION:

Arco SS #601  
712 Levelling Blvd  
San Leandro, CA

TEST DATE: 06/21/89  
INVOICE #: 9269

TO OUR CUSTOMER:

A COPY OF YOUR TEST RESULTS AND CERTIFICATE FOR THE ABOVE MENTIONED SITE(S) HAVE BEEN FORWARDED BY A.E.S. TO THE FOLLOWING GOVERNING AGENCY IN COMPLIANCE WITH THEIR REGULATIONS:

CITY OF SAN LEANDRO  
San Leandro Fire Dept

IF YOU HAVE ANY QUESTIONS, PLEASE CALL.

THANK YOU.

  
OPERATIONS DEPARTMENT

# CERTIFICATE OF PRECISION LEAK TEST

Associated Environmental Systems, Inc. has tested and certifies  
the following:

Certification #  
899269

DATE: 06/21/89 CERTIFIED TESTER: BNL # 89158

LOCATION: Arco SS #601 712 Lewelling Blvd, San Leandro, CA

TANKS:	TANK	LINE	PROD/LINE
	PASS	PASS	N/A
1. 550 W/O	PASS	PASS	N/A
2. XXXXXXXX	XXXX	XXXX	XXXX
3. XXXXXXXX	XXXX	XXXX	XXXX
4. XXXXXXXX	XXXX	XXXX	XXXX
5. XXXXXXXX	XXXX	XXXX	XXXX
6. XXXXXXXX	XXXX	XXXX	XXXX

ANY FAILURE LISTED MAY REQUIRE  
NOTIFICATION OF AGENCY.

Recertification Date Recommended:  
06/90



Associated Environmental Systems

Home Office: P.O. Box 80427, Bakersfield, CA 93380 • 805/393-2212