

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SENT 7-7-2000

20200

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

StID 3873

July 7, 2000

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

**RE: Arco Service Station 0771, 899 Rincon Avenue, Livermore, CA**

Dear Mr. Supple:

I am the new case worker for the above referenced site. I have completed review of the case file and recommend the following changes to the groundwater monitoring schedule:

- sample on a semi-annual basis Wells MW-4, MW-6, MW-7, RW-1, and VW-1 (these wells are most appropriately screened at this time)
- sample on an annual basis (3<sup>rd</sup> quarter) Wells MW-2, MW-5, MW-11, and
- discontinue sampling of Wells MW-1, MW-3, MW-8, MW-9, and MW-10

At this time, it appears appropriate to review the case to determine if it is a low risk groundwater case. Please have your consultant prepare a site conceptual model for the site where all potential risks to human health and the environment are evaluated. Site specific target levels for chemicals of concern can then be established for the site. Concentration versus time versus depth to water graphs should be prepared to determine if the contaminant plume is stable or decreasing. Please use the RWQCB's January 1996 "Interim Guidance on Required Cleanup at Low Risk Fuel Sites" to determine if your site falls into the low risk groundwater category.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

c: Glen Van der Veen, IT Group, 2201 Broadway, Suite 101, Oakland, CA 94612

arco771-1

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

R0200

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

June 26, 1998

ATTN: Account Payable

Arco Station #6113  
785 E Stanley Blvd  
Livermore CA 94550

RE: Project # 3049B - Type M  
at 899 Rincon Ave in Livermore 94550

Dear Property Owner/Designee:

Our records indicate the deposit/refund account for the above project has fallen below the minimum deposit amount. To replenish the account, please submit an additional deposit of \$245.00, payable to Alameda County, Environmental Health Services, within two weeks of receipt of this letter.

It is expected that the amount requested will allow the project to be completed with a zero balance. Otherwise, more money will be requested or any unused monies will be refunded to you or your designee.

The deposit refund mechanism is authorized in Section 6.92.040L of the Alameda County Ordinance Code. Work on this project will be debited at the Ordinance specified rate, currently \$94 per hour.

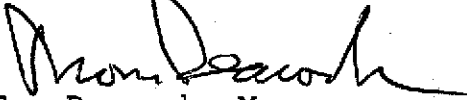
Please be sure to write the following identifying information on your check:

- project #
- type of project and
- site address

(see RE: line above).

If you have any questions, please contact Amir Gholami at (510) 567-6876.

Sincerely,

  
Tom Peacock, Manager  
Environmental Protection

c: files

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RO# 200

ENVIRONMENTAL HEALTH SERVICES

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

May 19, 1998

ATTN: Sir Or Madam

Resna, Inc.  
3315 Almaden Expwy #34  
San Jose CA 95120

RE: Project # 3049B - Type M  
at 899 Rincon Ave in Livermore 94550

Dear Property Owner/Designee:

Our records indicate the deposit/refund account for the above project has fallen below the minimum deposit amount. To replenish the account, please submit an additional deposit of \$245.00, payable to Alameda County, Environmental Health Services, within two weeks of receipt of this letter.

It is expected that the amount requested will allow the project to be completed with a zero balance. Otherwise, more money will be requested or any unused monies will be refunded to you or your designee.

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Please be sure to write the following identifying information on your check:

- project #
- type of project and
- site address

(see RE: line above).

If you have any questions, please contact Amir Gholami at (510) 567-6876.

Sincerely,

Tom Peacock, Manager  
Environmental Protection

c: files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0200

January 7, 1992

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

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

**RE: ARCO Station 771, 899 Rincon Avenue, Livermore  
California 94550**

Dear Mr. Coffman:

Per our telephone conversation of January 2, 1992, the results of the vapor extraction test (VET) performed at the site on December 12, 1991 will be submitted to this office. We are now in receipt of this report.

As you are aware, four underground storage tanks were removed from this site last December 30, 1991. Eight bottom soil samples were collected ( one from underneath each end of the tank ). During the removal of the tanks, Roux Associates ( in charge of collecting the soil samples) requested authorization to backfill the eastern part of the excavation pit with the stockpiled soils. The request was granted so that shoring of the excavation pit can proceed immediately due to the instability of the soil at the site. Backfilling of the excavation pit was allowed on the condition that the pit will be lined with plastic sheeting before backfilling and that the stockpiled soils will be re-excavated if the soil analysis showed any detectable levels of contamination.

This department has received the analytical results of the eight soil samples collected underneath the tanks. Soil contamination as high as 4,600 ppm of TPH as gasoline; 26 ppm of benzene; 470 ppm of toluene; 170 ppm ethylbenzene; 1,100 ppm of xylenes were detected. Analytical results of the stockpiled soils have not been received by this office.

The pipings associated with the former underground storage tanks are currently still in the ground and will be removed at a later date. Roux Associates and Golden West Builders ( ARCO's contractor) were advised to notify this office when the pipings will be removed and that piping trenches must be sampled ( one soil sample per twenty lineal feet ).

The Additional Subsurface Investigation Report (October 17, 1991) and the Third Quarter 1991 Groundwater Monitoring Report (November 21, 1991) have been reviewed by this department. Based on these reports, the soil contamination has not been delineated in the southern portion of the property. Three monitoring wells (MW-1, MW-2, MW-5) have free floating product. All seven wells at

Mr. Joel Coffman  
RE: ARCO Station 771, 899 Rincon Ave, Livermore  
Page 2 of 2  
January 7, 1992

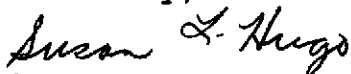
the site showed dissolved constituents. MW-3 through MW-7 had elevated levels of the following: TPH gasoline as high as 57,000 ppb; benzene as high as 3,000 ppb; toluene as high as 4,200 ppb; ethyl benzene as high as 1,200 ppb; and xylenes as high as 14,000 ppb. These data clearly showed that the extent of groundwater hydrocarbon pollution plume has not been delineated at the site and may have migrated off-site. An interim remediation system should be implemented to contain the hydrocarbon plume at the site and prevent from further off-site migration.

This office concurs with RESNA's proposal for further delineation of the soil and groundwater contamination at the site as stated in the Executive Summary of Additional Subsurface Investigation (October 17, 1991). In addition to the ten tasks listed in the proposal, the impact of contamination in the groundwater from the former waste oil tank (removed in 1987) must be investigated. It was noted that waste oil constituents were never analyzed during the past groundwater monitoring events. Although soil boring B-11 showed nondetectable levels of waste oil related hydrocarbons, this is not a positive indication that the groundwater was never impacted by the unauthorized release from the former waste oil tank. Future groundwater sampling events must include analyses for total petroleum hydrocarbon as diesel (TPHd) and total oil and grease (TOG) in addition to total petroleum hydrocarbon as gasoline (TPHg), benzene, toluene, ethylbenzene and xylene (BTXE).

The forthcoming remedial action plan stated in your VET report must include a monitoring plan to verify the effectiveness of the proposed vapor extraction system. In addition, a time schedule for the completion of the cleanup project at the site should also be submitted.

If you have any questions, please call the undersigned at (510) 271-4320.

Sincerely,



Susan L. Hugo  
Hazardous Materials Specialist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health  
Chuck Carmel, ARCO Products Company  
Eddy P. So, San Francisco Bay RWQCB  
Mark Thomson, Alameda County District Attorney's Office  
Danielle Stefani, City of Livermore Fire Department  
Gregory Murphy, Roux Associates  
Files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0200

September 16, 1991

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

Mr. Paul Wilton  
Barghausen Consulting Engineers  
4612 Roseville Road, Suite 103  
North Highlands, CA 95660

RE: **Underground Tank Closure and Installation Plan**  
**899 Rincon Avenue, Livermore 94550**

Dear Mr. Wilton:

I have reviewed the Underground Tank Closure and Installation Plan for the referenced site. The Underground Tank Closure Plan is acceptable provided the following items are followed:

- 1) Soil and/or groundwater if present must be sampled. One soil sample must be collected from beneath each end of the tank at the native soil/backfill interface but no deeper than two feet below the tank bottom. I made a note of this information in the closure plan.
- 2) Please provide the estimated volume of the stockpiled soil. As stated in the soil sampling methods submitted to this office, four soil samples will be collected for every 50 cubic yards of stockpiled soil, and composite into one by the State certified laboratory.
- 3) The soil and/or groundwater samples must be analyzed for the following contaminants: Total Petroleum Hydrocarbon (TPH) as gasoline; TPH as diesel; Benzene, Toluene, Ethyl Benzene, Xylene (BTXE); Total Lead; and Oil and Grease. This office had previously requested for this information but did not get any response. In order to proceed with the tank removal, I made a note in the closure plan that the samples must be analyzed for these contaminants. TPH as diesel and Oil and Grease are included as target contaminants because of the unauthorized leak from the waste oil tank which was removed in 1987 at the site.
- 4) Please provide us with the name of the Field Superintendent who will conduct pre-job site safety briefing with all personnel; the name of the Site Safety Officer; the name of person assigned as emergency contact and their telephone number; and the name of the nearest hospital.

The Underground Tank Closure Plan is approved on the condition that the items listed above are met.

Mr. Paul Wilton  
Barghausen Consulting Engineers  
September 16, 1991  
RE: 899 Rincon Ave. Livermore  
Page 2 of 2

As for the Underground Tank Installation Plan, please provide the following items to this office:

- 1) Submit the revised Form B and the new Form C for each tank. Enclosed are four blank Forms "B" and "C".
- 2) The hold down calculations for the tanks if applicable.
- 3) The manufacturer's brochures with the specifications for the double-walled tanks (striker plates beneath all primary tank openings must be noted); the primary and secondary piping systems; the spill container; and the overflow prevention system.
- 4) Documentation that the location where the four tanks will be installed is not contaminated. Our records showed history of an unauthorized leak from underground storage tanks at this site.

The installation plan for the four underground storage tanks will be approved as soon as the items listed above are met.

Should you have any questions concerning this letter, please contact me at (510) 271-4320.

Sincerely,

*Susan Hugo*

Susan Hugo  
Hazardous Materials Specialist

enclosures

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health  
Ron Knutson, ARCO Products Company ( P.O. Box 6411, Artesia,  
California, 90702-6411)  
Mark Thompson, Alameda County District Attorney's Office  
Files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0200

August 19, 1991

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

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

**RE: Second Quarter 1991 Ground-Water Monitoring Report for  
ARCO Station - 899 Rincon Avenue, Livermore, CA 94550**

Dear Mr. Carmel:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the Quarterly Groundwater Monitoring Report ( Second Quarter 1991 ) prepared by Applied GeoSystems on July 11, 1991 for the referenced site.

Results of the Second Quarter 1991 groundwater monitoring indicated the following:

- Presence of floating product consistently detected in MW-2 since January, 1991 during each monthly sampling event
- Increasing levels of dissolved contaminants (TPHg, & BTXE) found in MW-3 since January, 1991
- High levels of dissolved contaminants ( TPHg-98,000 ppb; Benzene-11,000 ppb; Toluene-18,000 ppb; Ethyl Benzene - 2,800 ppb; Xylene-20,000 ppb ) were detected in MW-1

From these results, it is evident that groundwater has been impacted by hydrocarbon contamination at the site. The extent of the hydrocarbon plume must be delineated.

The work plan submitted for defining the extent and concentration of hydrocarbons at the site and approved by this department on May 31, 1991 must be implemented.

Reports documenting implementation of the work plan must contain:

1. Actions that have occurred since the last report
2. Water level records
3. Clear records of field observations
4. Chain of custody forms
5. Laboratory-originated analytical results
6. Water level contour maps
7. Gradient determinations
8. Status of free product remediation
9. Status of soil remediation
10. Status of soil contamination definition
11. Status of dissolved constituents remediation



Mr. Charles Carmel  
August 19, 1991  
Page 2 of 2

12. Status of dissolved constituents plume definition
13. Copies of TSDF to Generator manifests for any hazardous wastes hauled off site
14. Soil boring/well logs of existing/new wells/borings signed by appropriate registered or certified professional

A report must be submitted within 30 days after completion of this investigation. Subsequent reports must be submitted quarterly until this site can be recommended for RWQCB's "sign off". All reports and proposals must also be submitted to:

RWQCB  
2101 Webster Street, 4th Floor  
Oakland, CA 94612  
Attn: Eddie So

This department has received a plan for the removal of the four underground tanks currently on-site. However, approval of the closure plan is pending until Arco provides the information requested in the May 31, 1991 correspondence sent by this office. The analytical parameters for soil/groundwater samples to be taken during the removal must be specified. It is unclear if the tank removal will commence before or after the installation of additional monitoring wells. Installation of boring B-10 (MW-7) in the location between the vicinity of two tanks might be destroyed during the removal of the four underground tanks.

Please be aware that any extensions of stated deadlines or changes in the work plan must be confirmed in writing and approved by this agency.

Should you have any questions about this letter, please contact me at (415) 271-4320.

Sincerely,

*Susan L. Hugo*

Susan L. Hugo  
Hazardous Materials Specialist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health  
Eddie So, San Francisco Bay RWQCB  
Howard Hatayama, State Department of Health Services  
Joel Coffman, Applied GeoSystems ( 3315 Almaden Expressway,  
Suite 34, San Jose, CA 95118 )  
Danielle Stefani, Livermore Fire Dept.  
Mark Thompson, Alameda County District Attorney's Office  
Files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

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DAVID J. KEARS, Agency Director



R0200

May 31, 1991

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

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

Re: Work plan submitted for ARCO Station #771, 899 Rincon Ave.,  
Livermore

Dear Mr. Carmel:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the above work plan, which calls for the installation of five additional soil borings at the site, four of which will be completed as monitoring wells. This plan is acceptable as a next step in defining the extent and concentration of hydrocarbons beneath the site.

We have recently received a plan for removal of the four remaining tanks on-site, and have not yet accepted this closure plan because analytical parameters for soil/groundwater samples to be taken during the removal have not been specified. We will be able to approve the closure plan as soon as this information is provided. This brings up a question: does ARCO plan the tank removal before or after the additional monitoring wells are installed? If boring B-10 (MW-7) were installed prior to tank removal, it is possible that excavation during removal would destroy this well.

If you have any questions concerning this letter, please contact the undersigned at 271-4320.

Sincerely,

Gil Wistar  
Hazardous Materials Specialist

c: Danielle Stefani, Livermore Fire Dept.  
Lester Feldman, RWQCB  
Mark Thomson, Alameda County District Attorney's Office  
Rafat A. Shahid, Asst. Agency Director, Environmental Health files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0200

Certified Mailer # P 062 127 771

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

March 22, 1991

Mr. Kyle Christie  
ARCO Products Co.  
P.O. Box 5811  
San Mateo, CA 94402

Re: Site investigation status at ARCO #0771, 899 Rincon Ave.,  
Livermore

Dear Mr. Christie:

In a recent review of the file on this site, it has come to our attention that we have an incomplete picture of subsurface contamination at 899 Rincon Ave. Back in August 1987, a waste oil tank was removed from this address, and the removal report indicated elevated levels of TPH-motor oil in soils beneath this tank. Although it appears that contaminated soil around this tank was removed, no further work took place to assess the possible effects of this unauthorized release on groundwater. Therefore, we are requiring that ARCO install a monitoring well within 10 feet of and downgradient from the former location of this waste oil tank. Analyses of groundwater from this well must include TPH-G, TPH-D, TPH-motor oil, BTEX, and TOG. As with all monitoring wells, this well will require quarterly sampling.

According to a later Unauthorized Release Report, dated February 5, 1990, samples from several "routine" soil borings were found to contain elevated levels of gasoline, with free product found at a depth of 33 feet in one of the borings. In this Report, under the heading Method used to stop discharge, "replace tank" is noted. In response to concerns that this office raised about contamination on-site, Applied Geosystems submitted a work plan for the installation of three soil borings/monitoring wells, in September 1990. The work plan included a schedule for well installation (October 1990), and for the initial sampling and analysis (November). A report was to be completed in December 1990.

However, as of the date of this letter, we have received nothing beyond the September work plan. Please note that we are requiring ARCO to submit to this office the following items by April 15, 1991:

- The well installation and initial sampling report from Applied Geosystems;

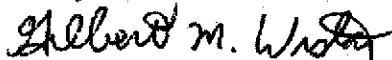
Mr. Kyle Christie  
March 22, 1991  
Page 2 of 2

- A report documenting the first quarterly sampling that occurred 90 days after the initial sampling; and
- A schedule for further work at the site, including the installation of additional monitoring wells (e.g., beneath the former waste oil tank), quarterly sampling, report submittals, and tank removal. This information should be conveyed in letter form and must be signed by a duly authorized representative of ARCO.

We are overseeing this site under the designated authority of the Regional Water Quality Control Board, and this letter constitutes a formal request for technical reports, per Sec. 13267(b) of the California Water Code. Failure to respond in a timely manner could result in civil liabilities under the Water Code of up to \$1,000 per day. Other violations of California law may also be cited.

If you have any questions about this letter, please contact the undersigned at 271-4320.

Sincerely,



Gil Wistar  
Hazardous Materials Specialist

cc: Steve Bittman, Applied Geosystems (3315 Almaden Expy., Suite. 34,  
San Jose, CA 95118)  
Howard Hatayama, DOHS  
Danielle Stefani, Livermore Fire Dept.  
Lester Feldman, San Francisco Bay RWQCB  
Rafat Shahid, Asst. Agency Director, Environmental Health  
Mark Thomson, Alameda County District Attorney's Office  
files

