

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R078

ENVIRONMENTAL HEALTH SERVICES

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

May 18, 1998

ATTN: Sir Or Madam

Arco/ Atlantic Richfield
P O Box 2570
Los Angeles CA 90051

RE: Project # 150D - Type I
at 6407 Telegraph Ave in Oakland 94609

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 \$252.00, 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



R078

RAFAT A. SHAHID, Assistant Agency Director

Certified Mailer# P 386 338 167

November 15, 1993

Arco Station #00374
6407 Telegraph Ave.,
Oakland, CA 94608

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

**Re: FIVE-YEAR PERMITS FOR OPERATION OF THREE
UNDERGROUND STORAGE TANKS (UST's) AT
6407 Telgraph Ave., Oakland, CA 94608**

According to our records the above mentioned facility has not received a five-year permit to operate UST's. Please complete the following items marked below and return them to me within 30 days. The example plans enclosed should be used only as guidelines and may not meet your requirements under Title 23.

1. Complete UST PERMIT FORM A - one per facility. (enclosed)
2. Complete UST PERMIT FORM B - one per tank. (enclosed)
3. Complete UST PERMIT FORM C - one per tank if information is available. (enclosed)
4. A written tank monitoring plan. (enclosed)
5. Results of precision tank test(s) (initial and annual).
6. Results of precision pipeline leak detector tests (initial and annual).
7. An accurate and complete plot plan. (enclosed)
8. A written spill response plan. (enclosed)

Title 23 of the California Code of Regulation prohibits the operation of ANY UST without a permit. Please feel free to contact Brian P. Oliva at 510/271-4320 if you have any questions which may arise in completing the mandatory five year permit process.

Sincerely,

Brian P. Oliva, REHS, REA
Hazardous Materials Specialist

cc: files

enclosures: see checklist

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R078

August 16, 1991

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

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

**RE: Work Plan for Subsurface Investigation and Remediation at
ARCO Station - 6407 Telegraph Avenue, Oakland CA 94509**

Dear Mr. Carmel:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the Work Plan and the Addendum One to Work Plan for Subsurface Investigation and Remediation at ARCO Station - 6407 Telegraph Avenue, Oakland, CA submitted May 15, 1991 by Applied GeoSystems. Based on this review the following areas of concern to this department must be addressed:

- * To date, acceptable definition of the groundwater contaminant plume has not been accomplished. The groundwater pollution plume has migrated off site in the down-gradient direction. The proposed installation of one additional groundwater monitoring well (MW-5) is acceptable. However, more wells must be installed if groundwater monitoring well (MW-5) is inadequate in defining the extent of the groundwater contaminant plume.
- * Monitoring wells must be screened to intercept any free floating product. All monitoring wells must be sampled monthly for free product and analyzed for **TPH gasoline, TPH diesel and BTXE** by a State certified laboratory for the first three months following well installation. After three months of consecutive sampling, sampling may be conducted as needed but must occur **at least quarterly**. Before each sampling event is begun, free product thickness and water level must be determined.
- * The groundwater contaminant plume has migrated off site in the down-gradient direction. A remediation plan must be implemented to contain the groundwater pollution plume from further migration off site. The overall effectiveness of the remediation system should be verified by an appropriate monitoring program. The remediation plan must include a time schedule for plan implementation and the expedient removal of any free product at the site. Free product must be monitored and the actual amount should be tabulated.
- * Permit requirements from other regulatory agencies which are applicable to the remediation system must be followed.

Mr. Chuck Carmel
August 16, 1991
Page 2 of 3

Reports documenting implementation of the workplan 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 the soil remediation
10. Status of the soil contamination definition
11. Status of dissolved constituents remediation
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

The manifest for the four underground storage tanks which were removed in June, 1988 or the bill of lading for any contaminated soil hauled off site have not been received by this department. Please submit these documents to this office.

You may implement remedial actions before approval of the workplan to act diligently in protecting the waters of the State. However, final concurrence by this office will depend on the extent to which the work done meets the requirements of this letter.

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

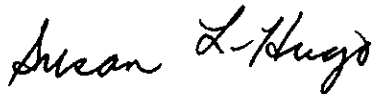
RWQCB
2101 Webster Street, 4th Floor
Oakland, CA 94612
Attn: Eddie So

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

Mr. Chuck Carmel
August 16, 1991
Page 3 of 3

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

Sincerely,



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)
Mark Thompson, Alameda County District Attorney's Office
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R078

28 March 1990

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

Kyle Christie
Arco Products Company
2000 Alameda de las Pulgas
P.O. Box 5811
San Mateo, CA 94402

Subject: Site Investigation at Arco Station #374, 6407 Telegraph Avenue, Oakland.

Dear Mr. Christie:

On the 27th of March, 1990, a Pacific Gas and Electric Company crew installing telephone poles along Alcatraz Avenue in Oakland encountered a pocket of gasoline contaminated soil underlying the sidewalk immediately adjacent to your property. Noticeable gasoline odors were detected emanating from soil excavated from a depth of seven feet below the grade surface. A survey of this soil with a portable explosimeter indicated that explosive vapors equalling forty percent of the lower explosive limit were being produced. These observations indicate that a significant soil contamination problem may exist at this site and that further investigation is required.

Our records indicate that in 1988 four underground storage tanks were removed from this site and that evidence of leakage from at least one of these tanks was observed. A soil/ground water investigation plan prepared for this site by Applied Geosystems Incorporated (AGS Workplan 018039-3W) was approved for implementation by this agency on the 14th of June 1989. The pocket of contaminated soil discovered by the PG & E crew would appear to be in close proximity to locations proposed in the Applied Geosystems Plan as sites for soil borings and a ground water monitoring well installation. To date, this office has received no further communication from either yourself or Applied Geosystems Incorporated regarding any additional soil and ground water data derived for this site.

If these proposed actions have been implemented, please submit all the data so derived to this office for review. If these actions have not yet been implemented then please do so. Continuation of the PG & E installation project must be delayed pending the evaluation of the nature and extent of the soil contamination at this site.

Kyle Christie
Arco Products Company
2000 Alameda de las Pulgas
P.O. Box 5811
San Mateo, CA 94402
Re. 6407 Telegraph Ave, Oakland
28 March 1990
Page 2 of 2

If you have any questions concerning this matter, please contact me
at (415) 271-4320.

Sincerely,



Dennis J. Byrne
Hazardous Materials Specialist

cc: Lester Feldman, SFBRWQCB
Doug Krause, DOHS
Rafat Shahid, Assistant Director, Alameda County Department of
Environmental Health
Jerry Blueford, Fire Marshal, Oakland Fire Prevention Bureau
Cliff Ray, Electric Construction Supervisor, PG & E
K. William Howell, Applied Geosystems Incorporated
Susan Hugo, Hazardous Materials Specialist

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R078

14 June 1989

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

Kyle Christie
ARCO Products Company
2000 Alameda de las Pulgas
P.O. Box 5811
San Mateo, CA 94402

Subject: Site Investigation at ARCO Station #374, 6407 Telegraph Ave,
Oakland. AGS Workplan 18039-3W.

Dear Mr. Christie:

Thank you for the proposal prepared by Applied Geosystems concerning further investigation of suspected soil contamination at the location listed above. Our agency has reviewed this proposal and found it to be acceptable. Approval is therefore granted for it's implementation.

If you have any questions or require further clarification concerning this matter, please contact, Dennis Byrne, Hazardous Materials Specialist, at (415) 271-4320.

Sincerely,

Rafat A. Shahid
Rafat A. Shahid, Chief,
Hazardous Materials Division

RAS:DB

cc: K. William Howell, Applied Geosystems
43255 Mission Boulevard
Fremont, CA 94539

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R078

10 April, 1989

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415) 271-4320

Kyle Christie
Environmental Engineer
Arco Products Company
2000 Alameda de las Pulgas
P.O. Box 5811
San Mateo, Ca. 94402

Subject: Deposit/Refund requirements concerning the site
remediation project at Arco Station #374, 6407 Telegraph
Avenue, Oakland.

Dear Mr. Christie:

A review of our records indicates that the security deposit of \$112.00 which your company had paid to Alameda County at the initiation of the underground storage tank modification project at the above site has been exhausted. This deposit is to cover the expenses incurred by County personnel in the performance of their oversight responsibilities. A record is kept of the hours which an Alameda County employee commits to a project and the deposit is reduced at a rate of \$56.00 per hour. This policy is authorized by Section 3-141.6 of the Ordinance Code of the County of Alameda.

A check for a total of \$500.00, made payable to the County of Alameda, must be submitted to this office before any further action can be taken regarding your proposals for this site. Following the completion of the project, the remaining balance of the deposit will be refunded to you.

If you have any questions concerning this matter, please contact, Dennis Byrne, Hazardous Materials Specialist, at (415) 271-4320.

Sincerely,

Rafat A. Shahid, Chief,
Hazardous Materials Division

RAS:DB

ALAMEDA COUNTY
HEALTH CARE SERVICES

DAVID J. KEARS AGENCY
Agency Director



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

R078

March 15, 1989

~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~

(415) 271-4320

ARCO Petroleum Products
2000 Alameda de las Pulgas, Suite 218
San Mateo, CA 94402

ATTN: Kyle Christie

SECOND NOTICE OF VIOLATION

RE: UNDERGROUND TANK CLOSURE PROPOSAL AT 6407 Telegraph
AVE., OAKLAND, CA 94609

Dear Mr. Christie:

On January 31, 1989, our office sent you a Notice of Violation requesting that information be submitted to our office concerning the above site, on or before February 28, 1989. As of the date of this letter, we have not received the information requested.

Our department has reviewed the proposal concerning site assessment and monitoring well installation at ARCO Service Station #374, 6407 Telegraph Ave., Oakland, CA., submitted September 20, 1988, by Applied GeoSystems (AGS Job No. 018039-3W). Our office will be the lead agency overseeing the remediation of this site. We will be working with the Regional Water Quality Control Board (RWQCB) to ensure that their remediation requirements are met. The proposed investigative work is not adequate to define the extent of soil and possible groundwater contamination. Therefore, we request the proposal to include the following additional information before any work is done at the site. All work must be performed according to the Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks, 2 June 1988.

1. Determination of the vertical and lateral extent of soil contamination. To date, acceptable definition has not been accomplished.
2. Hydraulic gradient must be established through historical data from wells in close proximity to the site and/or installation of additional groundwater wells. Groundwater gradient cannot be established through local topography.
3. The well that will be used as a monitoring well to sample the ground water must be determined to be the monitoring well located in down gradient as determined by the hydraulic gradient.
4. Definition of the horizontal and vertical extent of the ground water pollution plume if evidence of floating product is found. The presence of any fuel product in the monitoring well must be checked using an optical probe or other method having similar accuracy. The use of a bailer is not acceptable. The extent of the free product plume and the extent of dissolved product plumes must be addressed.

ARCO Petroleum
March 15, 1989
Page 2 of 4

- a) A minimum of one monitoring well must be installed within 10 feet of the tank excavation in the verified downgradient direction. All monitoring wells must be installed according to RWQCB "Guidelines for Addressing Fuel Leaks" (1988). Analytical soil samples must be collected every 5 feet to groundwater or maximum depth of 40 feet;
 - b) Monitoring and extraction wells should be designed and constructed to be consistent with the LUFT manual and to permit entrance of free product into the wells;
 - c) All monitoring wells shall be sampled monthly for free product and dissolved constituents for the first three months following well installation. After three months of consecutive sampling, sampling may be conducted as needed for remediation purposes but must occur at least quarterly. Before each sampling event is begun, free product thicknesses and water levels shall be performed using an optical probe or other device of equal accuracy;
5. Interpretation of hydrogeologic data. Water level contour maps, ground water gradient determinations, and free and dissolved product definition maps should be routinely prepared and submitted with analytical data from each sampling event. Fluctuations in groundwater levels due to tidal action should also be documented. Geologic cross-sections should also be prepared using appropriate boring logs. The geologic characteristics of the aquifer must be described. The cross sections, ground water gradients (horizontal and vertical), and tidal effects should be interpreted to explain pollution migration patterns.
 6. Determination of the potential short- and long- term impacts of the pollution plume on the beneficial uses of ground and surface water in the area. Beneficial uses include municipal water supply, ground water recharge, fresh water habitat, wildlife habitat, contact and non-contact recreation, and fish migration.
 7. Development of a remediation plan. The overall effectiveness of the remediation system should be verified by an appropriate monitoring program. This plan is to include a time schedule for plan implementation and, at a minimum, must address the following:

ARCO Petroleum
March 15, 1989
Page 3 of 4

- a) Expedient removal of all free product by an appropriate remediation system. Specific information on the system must be submitted. Manual bailing of fuel product is not acceptable as a recovery system, nor is a system which increases soil contamination. Actual amounts of free product must be monitored and tabulated;
 - b) Remediation of contaminated soil. Soil contaminated with 1000 ppm or greater total petroleum hydrocarbons must be remediated. Soil having hydrocarbon levels between 100 and 1000 ppm must be either remediated or, if sufficient evidence is provided which indicates no adverse effects on a groundwater will occur, left as is with implementation of a groundwater monitoring program. Cleanup of soils to less than 100 ppm is strongly recommended in order to minimize the impact of residual soil contamination on ground water quality;
 - c) Remediation of any dissolved constituents. Contaminated ground water must be remediated such that beneficial uses of the ground and surface water are restored and/or protected as required by RWQCB's "Policy with Respect to Maintaining High Quality of Waters in California."
8. Subjective evaluation of hydrocarbon content of drill cuttings, based on the presence of soil discoloration and on measurements from the OVM, is not an acceptable method of contamination quantitation. Certified laboratory analytical results are required prior to proper disposal determination.
 9. Aeration of hydrocarbon contaminated drill cuttings onsite requires a TSD permit or a variance from DOHS, or permission from the Bay Area Air Quality Management District.

Please resubmit your proposal for the above site within 15 days, on or before April 3, 1989, along with a \$500.00 fee to cover additional Health Care Agency costs. Implementation of remedial plans for free product, polluted soils and dissolved constituents may be appropriate prior to full definition of the extent of pollution. After approval by our department of the revised proposal, site assessment proceedings may begin.

ARCO Petroleum
March 15, 1989
Page 4 of 4

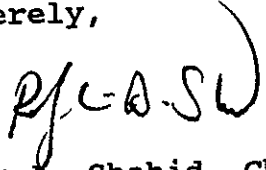
Reports documenting implementation of the above work plan must contain:

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
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7. Gradient determinations
8. Status of free product remediation
9. Status of soil remediation
10. Status of soil contamination definition
11. Status of dissolved constituent remediation
12. Status of dissolved constituent plume definition
13. Copies of TSDF to Generator manifests for any hazardous wastes hauled off site (ie. drill cuttings, tanks, soil)
14. Soil boring/well logs of existing/new wells/borings, signed by appropriate registered or certified professional
15. A statement of qualifications for each lead professional

Please be aware that final approval for the work performed on your site, is the responsibility of the Regional Water Quality Control Board. All proposals, reports and analytical results pertaining to this investigation and remediation must be sent to our office and the RWQCB.

Should you have any questions concerning this letter, please contact Mary Jo Meyers-Barnes, Hazardous Materials Specialist, at (415) 271-4320.

Sincerely,



Rafat A. Shahid, Chief,
Hazardous Materials Division

RAS:mjm-b

- cc: John T. Lambert, Project Geologist, Applied Geosystems
 Don Dalke, Regional Water Quality Control Board
 Dwight Hoenig, DOHS
 Gil Jensen, Alameda County District Attorney, Consumer and Environmental Protection Agency
 Mary Jo Meyers-Barnes, HazMat Specialist
 Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Director



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

R078

Telephone Number: (415) 271-4320

January 31, 1989

ARCO Petroleum Products
2000 Alameda de las Pulgas, Suite 218
San Mateo, CA 94402

ATTN: Kyle Christie

RE: UNDERGROUND TANK CLOSURE PROPOSAL AT 6407 Telegraph
AVE., OAKLAND, CA 94609

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ARCO Petroleum
January 31, 1989
Page 2 of 4

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ARCO Petroleum
January 31, 1989
Page 3 of 4

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 - b) Remediation of contaminated soil. Soil contaminated with 1000 ppm or greater total petroleum hydrocarbons must be remediated. Soil having hydrocarbon levels between 100 and 1000 ppm must be either remediated or, if sufficient evidence is provided which indicates no adverse effects on a groundwater will occur, left as is with implementation of a groundwater monitoring program. Cleanup of soils to less than 100 ppm is strongly recommended in order to minimize the impact of residual soil contamination on ground water quality;
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Please resubmit your proposal for the above site within 25 days, on or before February 28, 1989, along with a \$500.00 fee to cover additional Health Care Agency costs. Implementation of remedial plans for free product, polluted soils and dissolved constituents may be appropriate prior to full definition of the extent of pollution. After approval by our department of the revised proposal, site assessment proceedings may begin.

ARCO Petroleum
January 31, 1989
Page 4 of 4

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Please be aware that final approval for the work performed on your site, is the responsibility of the Regional Water Quality Control Board. All proposals, reports and analytical results pertaining to this investigation and remediation must be sent to our office and the RWQCB.

Should you have any questions concerning this letter, please contact Mary Jo Meyers-Barnes, Hazardous Materials Specialist, at (415) 271-4320.

Sincerely,



Rafat A. Shahid, Chief,
Hazardous Materials Division

RAS:mjm-b

cc: John T. Lambert, Project Geologist, Applied Geosystems
Don Dalke, Regional Water Quality Control Board
Dwight Hoenig, DOHS
Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency
Mary Jo Meyers-Barnes, HazMat Specialist
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