

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R076

RAFAT A. SHAHID, Assistant Agency Director

Certified Mailer# P 386 338 163

November 15, 1993

Arco Station #04931
731 W MacArthur Blvd.,
Oakland, CA 94609

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 FOUR
UNDERGROUND STORAGE TANKS (UST's) AT
731 W MacArthur Blvd., Oakland, 94609**

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



R076

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
731 West MacArthur Blvd., Oakland 94609**

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) EPA I.D. No. under which the tanks will be manifested must be provided to this office.
- 2) As I have noted in the closure plan, 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.
- 3) 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.
- 4) The soil and/or groundwater samples must be analyzed for the following contaminants: Total Petroleum Hydrocarbon (TPH) as gasoline; Benzene, Toluene, Ethyl Benzene, Xylene (BTXE); and Total Lead as recommended in the Tri- Regional Board Guidelines. I made a note of this information in the closure plan.
- 5) 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 nearest hospital.

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

Mr. Paul Wilton
Barghausen Consulting Engineers
September 16, 1991
RE: 731 W. MacArthur Blvd., Oakland
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.
- 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 four items listed above are met.

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

Sincerely,



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



R076

August 16, 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: Work Plan for Subsurface Investigation and Remediation at
ARCO Station - 731 W. MacArthur Boulevard, Oakland CA 94609**

Dear Mr. Carmel:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the files concerning the soil and groundwater contamination from underground storage tanks at the referenced site. We are in receipt of the following reports:

- Site Update (May 3, 1991) prepared by GeoStrategies and submitted by Gettler- Ryan Inc.
- Remedial Action Plan (May 15, 1991) prepared by GeoStrategies and submitted by Gettler-Ryan Inc.
- Aquifer Test Report (July 10, 1991) prepared by GeoStrategies and submitted by Gettler-Ryan Inc.
- Quarterly Monitoring Report (July 12, 1991) prepared by GeoStrategies and submitted by Gettler-Ryan Inc.

The referenced site had experienced an unauthorized release of petroleum hydrocarbon products from leaking underground storage in November, 1982. There are 11 monitoring wells at the site (9 wells onsite and 2 wells offsite) installed between 1982 and 1987. Historically, separate-phase product has been detected in four onsite wells at thickness between 0.01 feet to 4.0 feet. TPH gasoline from non detect up to 1500 ppm were detected in the onsite wells.

Based on this review, the following areas of concern to this department must be addressed:

- * Dissolved hydrocarbon plume has not been delineated in the up-gradient direction. Additional monitoring wells must be installed up-gradient of the underground storage tanks location.
- * 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 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

Mr. Charles Carmel
August 16, 1991
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event is begun, free product thickness and water level must be determined.

- * Additional recovery well must be installed based on the Aquifer Test conducted on April 4 and 5, 1991. Pumping Well A-9 was not sufficient in creating a capture zone for the dissolved contaminant in the area of Well A-2.
- * The Remediation Action Plan is acceptable provided the following conditions are met -
 - a) The overall effectiveness of the remediation plan is verified by an appropriate monitoring program.
 - b) A time schedule for plan implementation must be submitted which addresses the expedient removal of all free product at the site including monitoring and tabulating actual amount.
 - c) Permit requirements from other regulatory agencies which are applicable to the proposed remediation system must be followed.
 - d) A contingency plan must be submitted which addresses actions to be implemented if the remediation system is ineffective in mitigating the contamination at the site.

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
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

You may implement remedial actions before approval of the work plan 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.

Mr. Charles Carmel
August 16, 1991
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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:

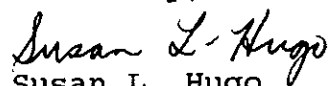
RWQCB
2101 Webster Street, 4th Floor
Oakland, CA 94612
Attn: Eddie So

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.

To cover our cost for overseeing and reviewing reports and proposals, please remit \$670 payable to County of Alameda.

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
Keith Bullock, Gettler-Ryan Inc.
Mark Thompson, Alameda County District Attorney's Office
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

DAVID J. KEARS, AGENCY
~~XXXXXXXXXXXX~~ Agency Director



SITE: 731 W. MacArthur Blvd.

RO 76

IN GEOTRACKER

470-27th Street, Third Floor
Oakland, California 94612
(415) 271-4320

Facility # 414
3000 Shattuck Ave

Lead & local Agency is
City of Berkeley.

April 12, 1988

Arco Petroleum Products Co.
3134 Auburn Blvd.
Sacramento, CA 95821
Attn: Alex E. Woelper

SUBJECT: Underground Storage Tank Unauthorized Release
(Leak)/Contamination Site Report

Dear Mr. Woelper:

On March 31, 1988, our office received a report of a failed underground storage tank test from your office for the following facilities:

- | | |
|--|---|
| 1. Facility #414
3000 Shattuck Ave.
Berkeley, CA | 2. Facility #4931
731 MacArthur Blvd.
Oakland, CA |
|--|---|

The California Administrative Code, Title 23, requires all unauthorized releases to be reported. Section 2652(b) requires within 5 working days of detecting the release, the operator or permittee shall submit to the local agency (Alameda County Hazardous Materials Division) a full written report to include all of the following information which is known at the time of filing the report:

1. List of type and quantity of hazardous substances released.
2. The results of all investigations completed at that time to determine the extent of soil or ground water or surface water contamination due to the release.
3. Method of clean-up implemented to date, proposed clean-up actions, and approximate cost of actions taken to date.
4. Method and location of disposal of the released hazardous substance and any contaminated soils or ground water or surface water (indicate whether a hazardous waste manifest(s) is utilized).
5. Proposed method of repair or replacement of the primary and secondary containers.
6. Facility operator's name and telephone number.

Arco Petroleum Products Co.
UGT Unauthorized Leak Form
April 12, 1988
Page 2 of 2

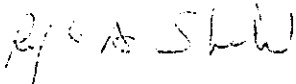
Until clean-up is complete, the operator or permittee shall submit reports to the County and the Regional Water Quality Control Board (RWQCB) every three (3) months or at a more frequent interval if specified by either agency. The reports shall include the information requested in (2), (3), and (4) of the above. The report requested above shall be prepared in accordance with the San Francisco Regional Water Quality Control Board's "Guidelines for Addressing Fuel Leaks", September 1985. The initial investigation report shall be submitted within 30 days and shall include a site safety plan.

Soils contaminated at hazardous waste concentrations shall be transported by a licensed hazardous hauler and disposed of or treated at a California Department of Health Services approved facility. Soils contaminated below hazardous waste concentrations may be managed as non-hazardous but are subject to waste discharge requirements of the Regional Board.

Enclosed is an "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report" which should be completed and returned within 5 working days. Please be advised that the City of Berkeley, Division of Environmental Health implements the State Underground Storage Tank Regulations for the City of Berkeley and are excluded from enforcement by the County.

Should you have any questions regarding this letter, please contact Lizabeth Rose, Hazardous Materials Specialist at (415) 271-4320.

Sincerely,



Rafat A. Shahid, Chief
Hazardous Materials Division

RAS:LR:mam

cc: Regional Water Quality Control Board
Berkeley Fire Department
Oakland Fire Department
City of Berkeley, Environmental Health