

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

**REMEDIAL ACTION COMPLETION CERTIFICATION**

February 4, 1994

Ms. Dorothy Coates  
250 Whitmore St., #402  
Oakland, California 94611

**RE: StID 3754, 33 La Salle Ave., Piedmont, CA 94611**

Dear Ms. Coates:

This letter confirms the completion of site investigation and remedial action for the former home heating fuel underground storage tank at the above site. With the provision that the information provided to this agency was accurate and representative of existing conditions, this office has determined that no further action is required at this time.

Based on the information submitted and current requirements, the RWQCB has also accepted the determination of this agency that no further action is required at this time. Further work could be required if conditions change or a water quality threat is discovered at the site.

If you have any questions regarding this letter, please give Ms. Eva Chu a call at (510) 271-4530.

Very truly yours,

A handwritten signature in black ink, appearing to read "Rafat A. Shahid".

Rafat A. Shahid  
Assistant Agency Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division  
Rich Hiatt, RWQCB  
Mike Harper, SWRCB (with attachment)  
Tim Babcock, EBS, 30028 Industrial Pkwy, #C, Hayward 94544  
files

**CASE CLOSURE SUMMARY**  
Leaking Underground Fuel Storage Tank Program

**I. AGENCY INFORMATION**

Date: Oct 13, 1993

Agency name: Alameda County HazMat Address: 80 Swan Wy., Room 200  
City/State/Zip: Oakland, CA 94621 Phone: (510) 271-4320  
Responsible Staff: Eva Chu Title: Hazardous Materials Spec.

**II. CASE INFORMATION**

Site facility name: Dorothy F. Coates  
Site facility address: 33 La Salle Ave., Piedmont, CA 94611  
RB LUSTIS Case No: N/A Local Case/LOP Case No.: 3754  
URF filing date: 1/17/92 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:

1. Dorothy F. Coates 250 Whitmore St., #402  
Oakland, CA 94611

| Tank No. | Size in gallons | Contents    | Closed in-place or removed?: | Date    |
|----------|-----------------|-------------|------------------------------|---------|
| 1.       | 300             | Heating Oil | Removed                      | 7/25/91 |

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: Leaking UST  
Site characterization complete? NO  
Date approved by oversight agency:  
Monitoring Wells installed? No Number:  
Proper screened interval  
Highest GW depth below ground surface: Lowest depth:  
Flow direction: Undetermined  
Most sensitive current use: None  
Are drinking water wells affected? Unknown Aquifer Name:  
Is surface water affected? No Nearest affected SW name:  
Off-site beneficial use impacts (addresses/locations):

Report(s) on file? YES Where is report(s) filed? Alameda County  
80 Swan Way, Rm 200  
Oakland CA 94621

**Treatment and Disposal of Affected Materials:**

| <u>Material</u>                | <u>Amount (units)</u> | <u>Action (Treatment of disposal w/destination)</u> | <u>Date:</u> |
|--------------------------------|-----------------------|-----------------------------------------------------|--------------|
| Tank<br>Piping<br>Free Product | 300 gallon            | Taken to Erickson, Inc.                             | 7/25/91      |
| Soil<br>Groundwater<br>Barrels | 7 cu. yd.             | Taken to Port Costa                                 | 10/2/91      |

**Maximum Documented Contaminant Concentrations - Before and After**

| <u>Contaminat</u> | <u>Soil (ppm)</u> |              | <u>Water (ppb)</u> |              |
|-------------------|-------------------|--------------|--------------------|--------------|
|                   | <u>Before</u>     | <u>After</u> | <u>Before</u>      | <u>After</u> |
| TPH-Gasoline      |                   | 60           |                    |              |
| TPH-Diesel        | 3,400             | 13,000       |                    |              |
| Benzene           |                   | .019         |                    |              |
| Toluene           |                   | .014         |                    |              |
| Ethylbenzene      |                   | N.D.         |                    |              |
| Xylene            |                   | 0.40         |                    |              |
| Oil and Grease    | 3,900             | 12,000       |                    |              |
| Heavy Metals      |                   |              |                    |              |
| Other             |                   |              |                    |              |

Comments (Depth of remediation, etc.):

During overexcavation activities to remove contaminated soil, bedrock was encountered around the pit at 3-4 feet below ground surface. Loose soil was removed to the extent possible.

**IV. CLOSURE**

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **Undetermined**

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **Undetermined**

Does corrective action protect public health for current land use? **Unknown**

Site management requirements: **None**

Should corrective action be reviewed if land use changes? **Yes**

Monitoring wells decommissioned: **NA**

Number decommissioned: Number Retained:

List enforcement actions taken: **None**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Hazardous Materials Specialist

Signature:  Date: November 29, 1993

Reviewed by

Name: Juliet Shin Title: Hazardous Materials Specialist

Signature:  Date: November 29, 1993

Name: Susan Hugo Title: Sr. Haz Mat Specialist

Signature:  Date: December 6, 1993

VI. RWQCB NOTIFICATION

Date Submitted to RB: Dec-10, 1993

RB Response: 

RWQCB Staff Name: Rich Hiatt Title: Sr. San Engineer Date: 12-15-93

VII. ADDITIONAL COMMENTS, DATA, ETC.

On July 25, 1991 a 550 gallon underground storage tank used to store heating oil fuel was removed from the residential site. Soil sample collected from beneath the UST exhibited up to 60 ppm TPH-G, 3,400 ppm TPH-D, .019 ppm benzene, and 3,900 ppm TOG.

In August 1991 a Bobcat mounted impact coring device was used to advancing borings to collect soil samples to determine the extent and severity of soil contamination. Sandstone bedrock was encountered in each of the 7 corings at depths ranging from 1.5-8 feet. Soil collected from EB2 at 8 feet depth exhibited 150 ppm TPH-D and 250 ppm TOG. The remaining soil cores did not detect contaminants.

Overexcavation to remove contaminated soil began in September 1991. The excavation was extended close to the house, and driveway of the adjoining property. Heavy staining, with diesel-like odor, of soil/bedrock was noted beneath the driveway at the northeast wall of the excavation at 3.5-6.5 feet depth. Ten soil samples collected from bedrock, along the walls and floor of the excavation exhibited in excess of 1,000 ppm TPH-D and TOG (up to 15,000 and 12,000 ppm, respectively).

Excavation was limited since unfractured sandstone bedrock was encountered at 6.5 feet depth. Heavier equipment/machinery for further excavation was restricted by the width of the site's narrow driveway. The maximum practical extent of excavation was assumed to have been reached. A review of water well depths in proximity

to the site found depths to water were typically greater than 100 feet.

Current department policy on leaks due to underground heating oil tanks at private residences does not require further actions beyond source removal. Since the tank and its contents were removed and contaminated soil was removed to the extent feasible, this case should be granted site closure.

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