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

May 4, 1994

Mr. Werner Nagengast 920 Happy Valley Rd Pleasanton, CA 94566

StID 855 - 10222 Pearmain St, Oakland, CA 94603

Dear Mr. Nagengast:

This letter confirms the completion of site investigation and remedial action for the former 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,

Rafat A. Shahid

Assistant Agency Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division

Rich Hiett, RWQCB

Mike Harper, SWRCB (with attachment)

files

# CASE CLOSURE SUMMARY Leaking Underground Fuel Storage Tank Program

Date: April 18, 1994 I. AGENCY INFORMATION

Alameda County-HazMat Address: 80 Swan Wy., Rm 200 Agency name:

Phone: (510) 271-4320 City/State/Zip: Oakland

Responsible staff person: Eva Chu Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Melrose Metal Finishing

Site facility address: 10222 Pearmain St., Oakland, CA 94603
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 855
URF filing date: 2/15/90 SWEEPS No: N/A

Phone Numbers: Responsible Parties: <u>Addresses:</u>

1. Werner Nagengast 920 Happy Valley Rd Pleasanton, CA 94566

<u>Size in</u> Closed in-place Date: <u>Tank</u> Contents: No: \_qal.: or removed?:

Gasoline Removed 1/23/90 1 500

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Overfilling tank, Gasoline

Site characterization complete? YES

Date approved by oversight agency: 3/23/94

Monitoring Wells installed? YES Number Proper screened interval? YES, 13-25' bgs Number: One

Highest GW depth below ground surface: 13.20' Lowest depth: 14.69'

Flow direction: Assumed westerly

Most sensitive current use: None

Are drinking water wells affected? Aquifer name: Unknown NO

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 Wy., Rm 200 Oakland CA 94621

## Treatment and Disposal of Affected Material:

<u>Material</u>	Amount (include units)	Action (Treatment or Disposal w/destination)	<u>Date</u>
Tank Piping Free Product	One UST	Taken to H&H Shipping, S.F.	1/23/90

Unknown quantity backfill Reused as fill

Groundwater Barrels

Maximum Documented Contaminant	Contaminant Concentrations Soil (ppm) Before After	Before and After Cleanup Water (ppb) Before After
TPH (Gas) TPH (Diesel)	260 260	60 ND
Benzene Toluene Ethylbenzene Xylenes	ND ND ND ND ND ND ND ND	1.3 ND 1.2 ND ND ND 10 ND
- • -		

Oil & Grease Heavy metals Other

### Comments (Depth of Remediation, etc.):

Not all the contaminated soil was removed from the UST pit. Up to 260 ppm TPH-G, and 5.7 ppm xylenes remains in place. Excavation was limited due to the integrity of the building and street on either side of the tank pit. Contamination appears limited to the upper 15' of clay soil. Groundwater does not appear to have been impacted by the release of fuel products at the site.

#### IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? YES Does corrective action protect public health for current land use? Site management requirements: None

Should corrective action be reviewed if land use changes? YES Monitoring wells Decommisioned: NO, pending site closure Number Decommisioned: Number Retained: One List enforcement actions taken: None List enforcement actions rescinded:

#### ٧. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature:

Date: 4(18/94

Reviewed by

Barney Chan Name:

Title: Haz Mat Specialist

Barney Che Signature:

Date: 4/18/94

Jennifer Eberle Name:

Title: Haz Mat Specialist

Signature: Walle

Date: 4-18-94

RWQCB NOTIFICATION

Date Submitted to RB:

RB Response:

RWQCB Staff Name: Rich Hiett

Title: San. Engr. Assoc.

Signature:

Date:

## ADDITIONAL COMMENTS, DATA, ETC.

When a 500 gallon gasoline UST was removed in January 1990, soil samples collected from beneath the tank exhibited up to 260 ppm TPH-G and 5.7 ppm xylenes. On June 1991 one monitoring well was installed within 10' of the former tank pit, in the assumed downgradient direction. (Water elevation data from monitoring wells located two blocks away show groundwater to flow consistently to the west.) Soil samples collected from 5, 10, 15, and 25' depth in this boring did not detect TPH-G or BTEX. The well has been sampled five times, in June and October 1991, January, February and September 1992. The initial groundwater sample exhibited 1.3 ppb benzene, 1.2 ppb toluene, 10 ppb xylenes, and 60 ppb TPH-G. Subsequent sampling episodes did not detect petroleum hydrocarbon constituents.

Not all the contaminated soil was removed, but the contamination appears to be localized and limited to the upper 15' of clay soil. When monitoring well MW-1 was installed, groundwater was first encountered at 15.5' depth, in a clay, sand layer beneath the less permeable and possible clay aquitard found at 10-15' depths (see attached well log). There is no record the tank overburden was ever characterized. It was re-used to backfill the pit. However, groundwater does not appear to be impacted with the contaminated soil left in place.

# LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu

Haz Mat Specialist Title:

Signature:

Date: 4(18/94

Reviewed by

Barney Chan Name:

Title: Haz Mat Specialist

Date: 4/18/94

Barney the Name: Jennifer Eberle

Title: Haz Mat Specialist

Signature:

Date: 4-18-99

VI. RWOCE NOTIFICATION

RWQCB Staff Name: Rich Hiett,

Date Submitted to RB:

RB Response: Concur

Title: San. Engr. Assoc.

Signature: 4. 27. 94

VII. ADDITIONAL COMMENTS, DATA, ETC.

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