

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 18, 1994

Laurence Clark
Clark's Woodworking
2620 Norbridge Avenue
Castro Valley, California 94546

RE: STID 4004, Clark's Woodworking, Castro Valley 94546

Dear Mr. Clark:

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 Scott Seery a call at (510) 271-4530.

Very truly yours,

Rafat A. Shahid
Assistant Agency Director

RAS:TP:st

c: Edgar B. Howell, Chief, Hazardous Materials Division - files
Rich Hiatt, RWQCB

Completion

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 12/15/93

Agency name: Alameda County-HazMat Address: 80 Swan Wy., Rm 200
City/State/Zip: Oakland Phone: (510) 271-4320
Responsible staff person: Scott Seery Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Clark's Woodworking
Site facility address: 2620 Norbridge Avenue, Castro Valley
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 4004
URF filing date: 7/3/91 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Laurence Clark	2620 Norbridge Avenue Castro Valley, CA 94546	510/538-9511

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	500 gallons	gasoline	removed	3/28/91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: UNK - possible overfill/riser leak

Site characterization complete? YES

Date approved by oversight agency: 12/20/91

Monitoring Wells installed? NO Number: NA

Proper screened interval? NA

Highest GW depth below ground surface: >52' BG Lowest depth: NA

Flow direction: UNK - presumed SW

Most sensitive current use: NA

Are drinking water wells affected? NO Aquifer name: UNK

Is surface water affected? NO Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): NA

Leaking Underground Fuel Storage Tank Program

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>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>of Disposal w/destination)</u>	<u>Date</u>
Tank	1x500 gals.	transported to Erickson	3/28/91
Piping	NA		
Free Product	NA		
Soil	UNK	aerated; placed back into pit	
Groundwater	NA		
Barrels	NA		

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)
Maximum Documented Contaminant Concentrations -- Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	1000	1.2	NA	
TPH (Diesel)	NA	NA	"	
Benzene	16	0.44	"	
Toluene	24	0.021	"	
Xylene	13	0.0093	"	
Ethylbenzene	25	0.017	"	
Oil & Grease	NA		"	
Heavy metals	NA		"	
Other	NA		"	

Comments (Depth of Remediation, etc.):

Initial soil sample (SS-1) collected from below the gasoline UST at a depth of 6' below grade (BG) exhibited 1000 ppm TPH-G, 16 ppm benzene, 24 ppm toluene, 13 ppm xylene isomers, and 25 ppm ethylbenzene. Following limited overexcavation to a depth of 11' BG, another sample (SS-2) was collected which exhibited 1.2 ppm TPH-G, 0.44 ppm benzene, 0.021 ppm toluene, 0.017 ppm ethylbenzene, and 0.0093 ppm xylene isomers.

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? **YES**
 Site management requirements: **NA**

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Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommissioned: NA

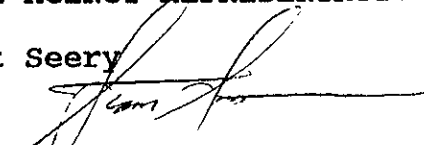
Number Decommissioned: 0

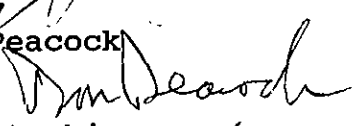
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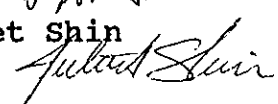
List enforcement actions taken: NONE

List enforcement actions rescinded: NONE

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery Title: Senior Haz. Mat. Specialist
Signature:  Date: 12/15/93

Reviewed by
Name: Tom Peacock Title: Supervising Haz. Mat. Spec.
Signature:  Date: 12/15/93

Name: Juliet Shin Title: Hazardous Materials Specialist
Signature:  Date: 12/15/93

VI. RWQCB NOTIFICATION

Date Submitted to RB: 12/15/93 RB Response: *Concur*
RWQCB Staff Name: Rich Hiett Title: San. Eng. Assoc. Date: 2-17-94

VII. ADDITIONAL COMMENTS, DATA, ETC.

A single 500 gallon, bare steel, gasoline UST was removed from this site 3/28/91. No overspill bucket was installed to the fill riser. The dispenser was located directly over the tank. Significant soil staining was observed around the fill tube where it connects to the tank top. Strong gasoline odors were noted coming from the tank pit and sand backfill. Upon UST removal, the tank was inspected for holes; none were observed, although the bottom half of the UST was moderately pitted. The UST had recently "passed" a tank integrity test.

Weathered, fractured CLAYSTONE bedrock was discovered at the base of the excavation, beginning at approximately 5.5' BG. Apparent slickensides features were observed upon some surfaces of the excavated bedrock. A thin mantle of Silty CLAY soil overlaid the bedrock. A single sample (SS-1) was collected at approximately 6' BG and analyzed for gasoline constituents, the results of which are presented previously in this summary. Overexcavation proceeded to approximately 11' BG, where another sample was collected (SS-2). The results indicate the gasoline contamination was significantly removed.

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As a result of these initial findings, a PSA was required. The PSA work plan was presented by Aqua Science Engineers, Inc., and subsequently approved by ACDEH on 12/20/91. An initial boring was advanced to a final depth of 52' BG next to the former UST pit. CLAYSTONE bedrock was encountered from approximately 5' BG to its terminus at 52' BG. Soil samples were collected at 5.5, 11, 15.5, 20, and 52.5' BG. No detectable TPH-G was found from the 11' sample on. Benzene was found in the 5.5, 11, and 15.5' samples, with the highest concentration of 0.026 ppm found in the 11' sample. Toluene was found in the 11 and 15.5' samples, with the highest concentration of 0.072 ppm at 11' BG. Ethylbenzene was found only at 11' BG at a concentration of 0.011 ppm. Xylene isomers were found at 5.5, 11, and 15.5' BG, the highest concentration at 0.084 ppm at 5.5' BG.

No ground water was encountered in this boring, although the hole was left open for 4 days to allow any ground water, if present, to enter.

Following on-site treatment (aeration), the soil piles generated during the initial UST removal and subsequent overexcavation were placed back into the excavation. One (1) two point composite was collected from each of the two piles and analyzed by Chromolab, Inc. for gasoline compounds prior to this action. No detectable fuel compounds were discovered.