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San Francisco, CA 94111
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*ALCO
Rec'd
07/26/95*



25 July 1995
Project No. 2273.02

Mr. Hugh Murphy
Environmental Specialist
Hayward Fire Department
25151 Clawiter Road
Hayward, CA 94545-2731

Subject: Site Closure Summary
22990 Clawiter Road
Hayward, California

next to 23040 Clawiter Rd

Dear Mr. Murphy:

Thank you for meeting with me and Christine Connelly of McKesson Water Products Company (McKesson) on 31 March. As we discussed, we believe the site has been properly investigated and remediated consistent with the requirements of the Regional Water Quality Control Board (RWQCB). Therefore, Geomatrix Consultants, Inc. (Geomatrix) believes it appropriate for you to request case closure from the RWQCB.

Enclosed is a copy of the State Water Resources Control Board's "Site Closure Summary" required by the RWQCB for its consideration of closure of underground storage tank sites. Our understanding is that this "Site Closure Summary" replaces the RWQCB's former requirement that a local agency submit a case closure summary report. We have also provided additional information as noted in Section VI of the "Site Closure Summary." This information includes a detailed site map, a summary of the soil sampling data, a summary of the groundwater monitoring well construction details, monitoring results for the affected downgradient well (MW-1), and a discussion of the characteristics of the residual hydrocarbons remaining in the downgradient groundwater (MW-1).

If you have any questions regarding this letter or the enclosures, please contact me at (415) 434-9400. If requested, it would be my pleasure for a representative of McKesson



Mr. Hugh Murphy
Hayward Fire Department
24 July 1995
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and me to meet with you and a RWQCB staff representative to discuss issues related to case closure.

Sincerely,

GEOMATRIX CONSULTANTS, INC.

A handwritten signature in black ink, appearing to read "Lester Feldman". The signature is fluid and cursive.

Lester Feldman
Principal Scientist

Enclosure: Site Closure Summary and Attachments

cc: Christine Connelly, McKesson Water Products Company
Juliet Shin, Alameda County Department of Environmental Health
Kevin Graves, RWQCB

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ENVIRONMENTAL
HEALTH

SITE CLOSURE SUMMARY

I. AGENCY INFORMATION

Date: 19 May 1995

Agency Name: <i>City of Hayward</i>	Address: <i>25151 Clawiter Road</i>
City/State/Zip: <i>Hayward, CA 94545</i>	Phone: <i>(510) 293-8695</i>
Responsible Staff Person: <i>Hugh Murphy</i>	Title: <i>Environmental Specialist</i>

II. SITE INFORMATION

Site Facility Name: <i>Alhambra Hayward</i>				
Site Facility Address: <i>22990 Clawiter Road, Hayward, CA</i>				
RB LUSTIS Case No.: <i>01-0057</i>		Local or LOP Case No.: <i>---</i>		Priority: <i>---</i>
URF Filing Date: <i>01/21/93</i>		SWEEPS No.: <i>---</i>		
Responsible Parties (include addresses and phone numbers)				
<i>McKesson Water Products Co.</i>				
<i>ATTN: Christine Connelly (818-585-1289)</i>				
<i>3280 East Foothill Blvd., Suite 400</i>				
<i>Pasadena, CA 91107</i>				
Tank No.	Size in Gallons	Contents	Closed In—Place/Removed?	Date
<i>01</i>	<i>12,000</i>	<i>Diesel</i>	<i>Removed</i>	<i>March 1993</i>
<i>02</i>	<i>Unknown</i>	<i>Hydraulic Hoist</i>	<i>Removed</i>	<i>March 1993</i>
<i>03</i>	<i>12,000</i>	<i>Gasoline</i>	<i>Removed</i>	<i>July 1986</i>

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: <i>1986 - Gasoline release of undetermined cause.</i>			
Site characterization complete? <input checked="" type="radio"/> Yes <input type="radio"/> No		Date Approved By Oversight Agency: <i>7/13/93 Mtg.</i>	
Monitoring wells installed? <input checked="" type="radio"/> Yes <input type="radio"/> No		Number:	Proper screened interval? <input checked="" type="radio"/> Yes <input type="radio"/> No
Highest GW Depth Below Ground Surface: <i>16.5</i> ft.		Lowest Depth: <i>14.75</i> ft.	Flow Direction: <i>Westerly</i>
Most Sensitive Current Use: <i>None</i>			
Most Sensitive Potential Use and Probability of Use		<i>Low probability of use shallow drinking water</i>	
Are drinking water wells affected? Yes <input checked="" type="radio"/> No <input type="radio"/>		Aquifer Name: <i>---</i>	
Is surface water affected? Yes <input checked="" type="radio"/> No <input type="radio"/>		Nearest/Affected SW Name: <i>---</i>	
Off-Site Beneficial Use Impacts (Addresses/Locations): <i>None</i>			
Report(s) on file? <input checked="" type="radio"/> Yes <input type="radio"/> No		Where is report(s) filed? <i>Hayward Fire Dept.</i>	

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank ⁰¹ ₀₃ 02	1200-gal. tank 1200-gal. tank	Erickson, Inc., Richmond, Disp Paradiso Constr, Oakland, Disp	3/93 7/86
Piping 01	---	Erickson, Inc., Richmond, Disp	3/93
Free Product	---	---	---
Soil	600 yds ³	Disposal	3/93
Groundwater	6500 gallons	Disposal	3/93
Rinseate Barrels- Sump	65 gallons	Refineries Service Facil- ity, Patterson	3/24/93

MAXIMUM DOCUMENTED POLLUTANT CONCENTRATIONS--BEFORE AND AFTER CLEANUP									
POLLUTANT	Soil (ppm)		Water (ppb)		POLLUTANT	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	6800	0	110,000	0	Xylene	410	0	19,000	0
TPH (Diesel)	0	0	0	0	Ethylbenzene	150	0	3,400	4.1
Benzene	0	0	96	0	Oil & Grease	0	0	0	0
Toluene	0	0	990	0	Heavy Metals	---	---	---	---
Other JP-4 ¹	---	---	19,200	760	Other				

Comments (Depth of Remediation, etc.): MW-1 was only well with detections.
 1993 soil excavated to 21.5 feet depth (GW = 16.5 feet)
 Notes: 1 - JP-4 chromatogram standard closest to this CG-C13 hydrocarbon.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan?	<input checked="" type="radio"/> Yes	No
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?	<input checked="" type="radio"/> Yes	No
Does corrective action protect public health for current land use?	<input checked="" type="radio"/> Yes	No
Site Management Requirements:	None	
Monitoring Wells Decommissioned: Yes <input checked="" type="radio"/> No ¹	Number Decommissioned: 0 ²	Number Retained: 0
List Enforcement Actions Taken:	NONE	
List Enforcement Actions Rescinded:	None	
Notes:	1 - Plan to decommission after closure. 2 - 4 planned.	

V. TECHNICAL REPORTS, CORRESPONDENCE ETC., THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON

Title:	Date:
"Removal of Underground Storage Tank, 22990 Clawiter Road, Hayward, California," dated 4 June 1993	6/4/93
"Subsurface Investigation, 22990 Clawiter Road, Hayward, California," dated 30 June 1993	6/30/93
"Groundwater Sampling Report, 22990 Clawiter Road, Hayward, California	3/3/95

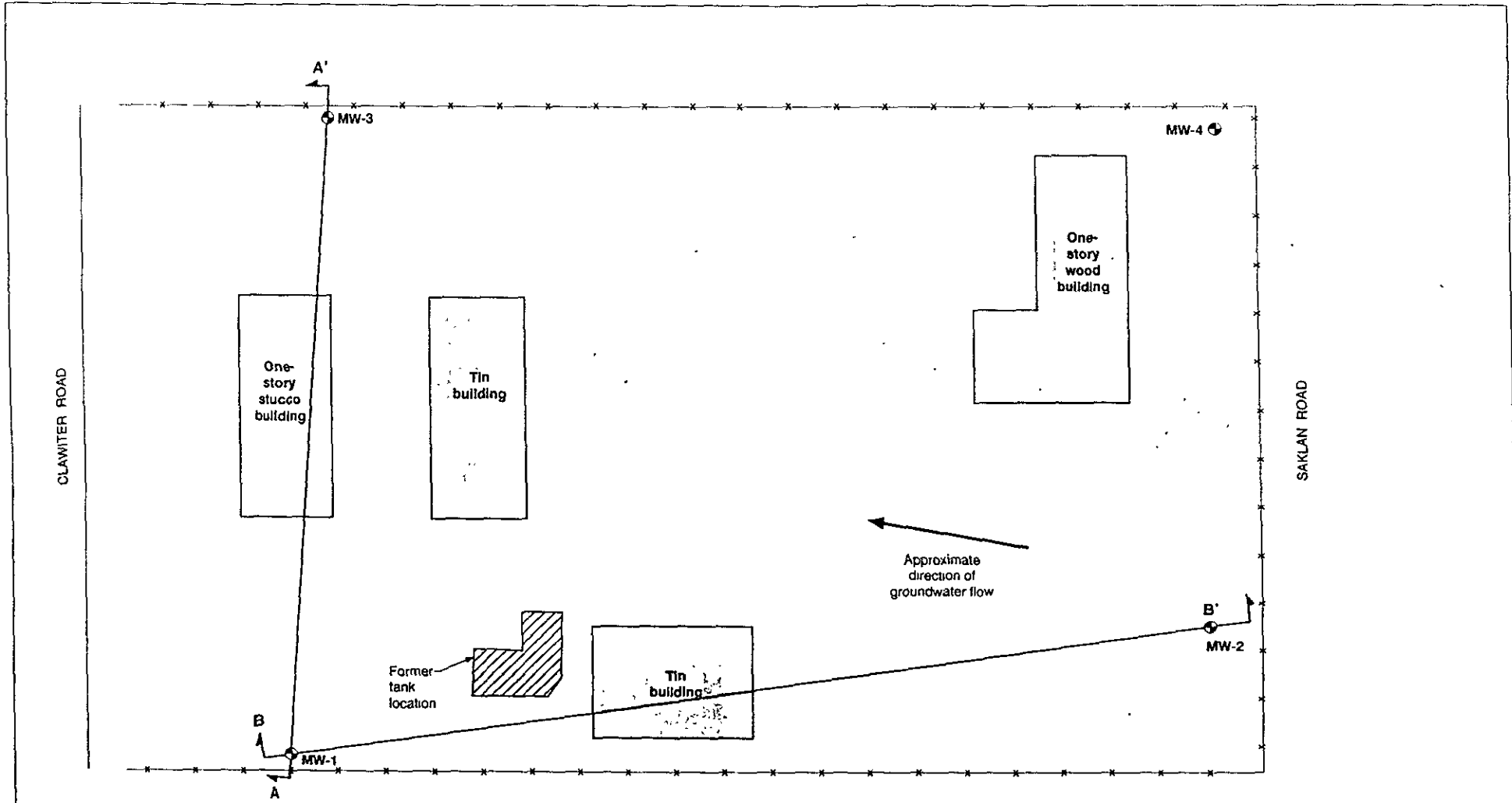
VI. ADDITIONAL COMMENTS, DATA, ETC.

PLEASE INCLUDE/ATTACH THE FOLLOWING AS APPROPRIATE:



- 1) SITE MAP INDICATING TANK PIT LOCATION, MONITORING WELL LOCATION, GROUNDWATER GRADIENT, ETC.; AND,
- 2) SITE COMMENTS WORTHY OF NOTICE (E.G., AREA OF RESIDUAL POLLUTION LEFT IN PLACE, DEED NOTICES ETC.)

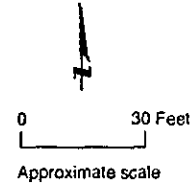
1. Site Map
2. Soil Analytical Results
3. Monitoring Well Construction Details
4. Summary of Groundwater Monitoring Well MW-1
5. Hydrocarbon Fingerprinting Report

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.



EXPLANATION

- MW-1  Well location
-  Subsurface profile (see Figures 10 and 11)



22990 CLAWITER ROAD Hayward, California	
SITE PLAN	
Project No. 1107.05	Figure 2
TREADWELL & ROLLO, INC. Consulting Engineers and Scientists	

TABLE 1
SOIL ANALYTICAL RESULTS
22990 CLAWITER ROAD
Hayward, California

Sample Number	Date Sampled	Depth (feet)	Gasoline (ug/g) (3)	Benzene (ug/g)	Toluene (ug/g)	Ethyl-benzene (ug/g)	Total Xylenes (ug/g)	Diesel (ug/g)	Kerosene (ug/g)	Jet Fuel A (ug/g)	Lead (ug/g)	Oil and Grease (ug/g)	TPH (1) (ug/g)	PNA's (2) (ug/g)
BOTTOM OF TANK EXCAVATION														
TI-W-14.0	3/18/93	14.0	ND (4)	ND	ND	ND	ND	ND	NA(5)	NA	5.2	NA	NA	NA
T1-C-14.0	3/18/93	14.0	ND	ND	ND	ND	ND	ND	NA	NA	8.3	NA	NA	NA
TI-E-15.5	3/18/93	15.5	8,800	ND	ND	150	410	ND	NA	NA	16.0	NA	NA	NA
PRODUCT LINE PIPING														
PI-1-2.0	3/18/93	2.0	ND	ND	ND	ND	ND	ND	NA	NA	15.0	NA	NA	NA
PI-2-2.0	3/18/93	2.0	ND	ND	ND	ND	ND	ND	NA	NA	5.8	NA	NA	NA
TANK EXCAVATION SAMPLES AFTER SUBEXCAVATION														
SS-1-1.5	3/25/93	1.5	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	10 (6)	ND(6)
EB-3	3/22/93	7.0	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
EB1-21.5	3/19/93	21.5	ND	ND	ND	ND	ND	ND	NA	NA	7.9	NA	NA	NA
EB2-20.5	3/19/93	20.5	ND	ND	ND	ND	ND	ND	NA	NA	8.5	NA	NA	NA
EB3-2-19.5	3/23/93	19.5	ND (6)	ND	ND	ND	ND(6)	ND	13/ND(6,7)	ND(6)	NA	NA	NA	NA
EB3-3-11.5	3/23/93	11.5	ND	ND	ND	ND	ND	ND	ND	NA	4.0	NA	NA	NA
CLARIFIER														
C1-5.5	3/19/93	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA
HYDRAULIC HOIST														
HH-1-9.0	3/19/93	9.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA
HH-2-10.0	3/19/93	10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA
CATCH BASIN														
CB-1	3/25/93	1.5	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA
CB-2	3/25/93	1.5	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA

Notes: 1. TPH = Total recoverable petroleum hydrocarbons.
2. PNAs = Polynuclear aromatic hydrocarbons.
3. ug/g = Micrograms per gram or parts per million.
4. ND = Not detected at or above the method reporting limit.
5. NA = Not analyzed.

6. Analytical results reported by stationary lab; all other results reported by mobile lab - see text for discussion.
7. 13/ND = Analytical results for duplicate samples; text for discussion.
13 - result by mobile lab.
ND result by stationary lab.

TABLE 1
MONITORING WELL CONSTRUCTION DETAILS
22990 CLAWITER ROAD
Hayward, California

Well Number	Elevation of Top of PVC (1) (feet)	Elevation of Ground Surface (feet)	Total Depth of Well (feet)	Depth of Screened Interval (feet)
MW-1	35.33	35.77	20.96	11 to 21
MW-2	37.19	37.49	20.45	11 to 21
MW-3	35.31	35.57	18.72	9 to 19
MW-4	36.37	36.89	18.3	8.5 to 18.5

Note:

(1) Elevation survey was performed by Ben Ram Surveying Company on 24 May 1993.
Elevations are referenced to Mean Sea Level Datum.

SUMMARY OF GROUNDWATER INVESTIGATION

MW - 1
22990 Clawiter Road
Hayward

Date	TVH (ppm)	Benzene (ppm)	Toluene (ppm)	Xylene (ppm)	Ethylbenzene	TEH (ppm)	Groundwater Elevation	Direction of Groundwater Flow
05/21/93	6.3	ND	ND	ND	ND	9.2	20.68	West/slight North
08/03/93	4.2	ND	ND	ND	ND	7.1	19.75	West/slight South
01/31/94	1.8	ND	ND	ND	ND	0.61	19.41	West/slight North
04/11/94	2.8	ND	ND	ND	ND	1.0	20.17	West/slight North
07/27/94	2.5	0.0007	0.0014	0.0065	0.0032	0.64	19.45	Due West
10/31/94	1.4	ND	ND	ND	0.0041	0.76	18.60	West/slight South

NOTES:

TVH quantified as gasoline and TEH quantified as kerosene however, compounds identified as TVH and TEH do not match any of the typical chromatogram standard.

BTEX analysis by EPA Method 6240. Possible BTEX components identified by 8020, but not confirmed by Method 6240. Method 6240 not run on sample from 07/27/94.