



DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 3774 - 2400 Filbert Street, Oakland, CA

October 2, 1995

Mr. Dave Thomas
Bennetts Distr. Corp
P.O. Box 2049
Oakland, CA 94604

Dear Mr. Thomas:

This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (1-5,000 and 1-2,000 gallon gasoline tank) removed from the above site on July 19, 1991. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations. Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

Jun Makishima, Interim Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
Jennifer Eberle
files (calwest.3)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: June 27, 1995

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Eva Chu Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Cal West Periodicals
Site facility address: 2400 Filbert Street, Oakland 94607
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 3774
URF filing date: 8/13/91 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Dave Thomas Bennetts Distributing Corp	P.O. Box 2049 Oakland, CA 94604	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	5,000	Gasoline	Removed	7/19/91
2	2,000	Gasoline	Removed	7/19/91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 6/8/95
Monitoring Wells installed? Yes Number: 2
Proper screened interval? Adequate, 9 to 18.5' bgs
Highest GW depth below ground surface: 5.60' Lowest depth: 9.36' in MW-1
Flow direction: Unknown
Most sensitive current use: Commercial
Are drinking water wells affected? No Aquifer name:
Is surface water affected? No Nearest affected SW name: NA
Off-site beneficial use impacts (addresses/locations): None

Report(s) on file? YES Where is report(s) filed? Alameda County
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank Piping Free Product Soil Groundwater Barrels	2 USTs	H & H Shipping in San Francisco	7/19/91

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)		
	Before	After	Before	After	
TPH (Gas)	ND		11,000 ¹	3,100 ²	66
TPH (Diesel)					
Benzene	ND		950 ¹	66 ²	1.5
Toluene	ND		840 ¹	ND ²	ND
Ethylbenzene	ND		450 ¹	ND ²	ND
Xylenes	ND		850 ¹	100 ²	ND
Oil & Grease					
Heavy metals					
Other					

- NOTE: 1 Grab groundwater sample from tank pit
2 Initial groundwater sample from well MW-1

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **YES**
 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? **YES**
 Site management requirements: **None**

Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **No, pending site closure**
 Number Decommissioned: **0** Number Retained: **2**
 List enforcement actions taken: **None**
 List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature:  Date: 6/28/95

Reviewed by

Name: Jennifer Eberle Title: Haz Mat Specialist

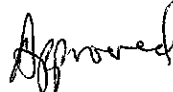
Signature:  Date: 6-28-95

Name: Amy Leech Title: Haz Mat Specialist

Signature:  Date: 6/27/95


VI. RWQCB NOTIFICATION

Date Submitted to RB: 6/29/95

RB Response: 

RWQCB Staff Name: Kevin Graves

Title: AWRCE

Signature: 

Date: 7/10/95

VII. ADDITIONAL COMMENTS, DATA, ETC.

Two gasoline USTs were removed in July 19, 1991. No obvious holes were noted in the tanks. Four soil samples collected from the sidewalls at approximately 7' depth had no obvious odor or discoloration. Soil analytical results did not detect TPH-G or BTEX. Stockpiled soil was not collected because it was mostly pea gravel. The pit was excavated to 10' depth. Groundwater was in the pit and stabilized at approximately 9' after the tanks were removed. A grab groundwater sample detected 11,000 ppb TPH-G, 950, 840, 450, and 850 ppb BTEX, respectively.

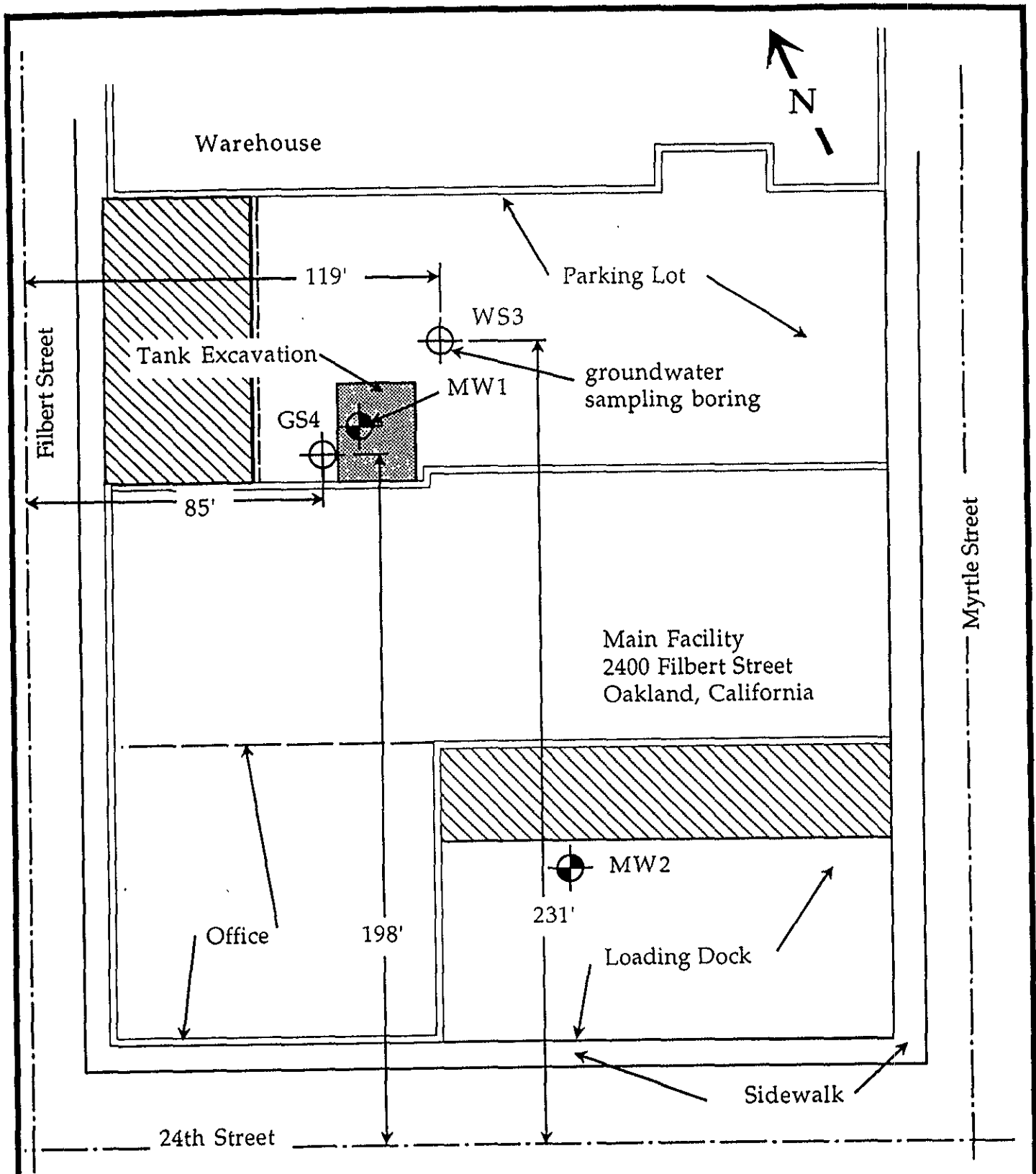
In October 1991 one monitoring well, MW-1, was installed within the former tank excavation to a depth of 19'. The initial groundwaer sampling event detected 3,100 ppb TPH-G, and 66, ND, ND, and 100 ppb BTEX, respectively. Following four consecutive sampling events, where elevated levels of petroleum hydrocarbons were still detected, another well, MW-2 was installed (December 1992) 140' southwest of well MW-1, in the presumed downgradient direction of the former tank pit. Well MW-2 was sampled for 8 consecutive quarters (2 years) without detecting TPH-G or BTEX.

Because groundwater flow direction could not be verified with two monitoring wells, two additional hydropunches, one SW and one NE of the former tank pit, were installed on March 10, 1995, to assess groundwater quality in the vicinity of the former USTs and well MW-1. Soil samples were not collected from thes borings. Grab groundwater samples from the northeast boring, WS3, did not detect contaminants. The southwest boring,

GS4, detected 2,500 ppb TPH-G, 38, 26, 110, and 69 ppb BTEX, respectively.

Although the extent of groundwater contamination has not been delineated, the potential for offsite migration in the low permeable soils, mostly stiff silty clays and sandy silty clays, is minimal. Also, residual benzene in groundwater should not pose a human health risk, as the levels do not exceed ASTM's Risk-Based Screening Level Look-Up Table for vapor intrusion from groundwater to buildings in a residential site, which for a cancer risk of $1E-06$ is 80 ppb.

Well MW-1 has been sampled for 14 consecutive quarters and has demonstrated a continued decrease in concentration of TPH-G, from 3,100 ppb to less than 100 ppb, and benzene levels, from 66 ppb to less than 5 ppb. The residual contaminants in groundwater should naturally bioattenuate. Continued sampling and/or additional well installation is not warranted.



WILLIAM DUBOVSKY ENVIRONMENTAL

Boring Location Plan
 Cal West Periodicals
 2400 Filbert Street
 Oakland, California

- ⊕ Groundwater Sampling Location
- ⊙ Monitoring Well Location

Project Number: 9140

Drawn by: JNC

1" = 40'

April, 1995

Figure Number: 3

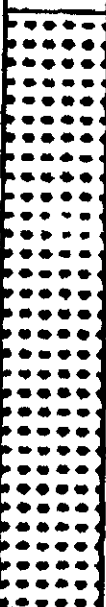

TABLE I
 GRAB WATER SAMPLE ANALYTICAL RESULTS
 Cal West Periodicals
 2400 Filbert Street
 Oakland, California
 Sheet 1 of 1
 April 3, 1995

Sample Number	Date of Sampling	TPH-G (ppb)	BTEX (ppb)	LAB
WS3	03/10/95	ND	ND/ND/ND/ND	ANAMETRIX
GS4	03/10/95	2,500	38/26/110/69	ANAMETRIX

NOTES: TPH-G Total Petroleum Hydrocarbons as Gasoline
 BTEX Benzene/Toluene/Ethylbenzene/Xylenes
 ppb parts per billion
 ND Not detected above detection limit
 NT Not tested

TABLE II
GROUNDWATER ANALYTICAL AND MONITORING RESULTS
Cal West Periodicals
2400 Filbert Street
Oakland, California
Sheet 1 of 3
April 3, 1995

Well ID	Date of Sampling	Casing Elevation	Depth to Water (feet)	Ground Water Elevation	Free Product or Sheen	TPH-G (ppb)	BTEX (ppb)	LAB
MW-1	10/31/91	11.76	8.89	2.87	Odor & Sheen	3100	66/ND/ND/100	ANAMETRIX
MW-1	01/30/92	11.76	7.74	4.02	Odor & Sheen	1900	71/5/29/18	ANAMETRIX
MW-1	06/10/92	11.76	8.68	3.08	Odor & Sheen	730	25/2.8/14/18	ANAMETRIX
MW-1	10/28/92	11.76	9.36	2.40	Odor & Sheen	1000	20/5.6/20/17	ANAMETRIX
MW-1	12/21/92	11.76	7.58	4.18	Slight sheen	490	7.5/2.1/4.1/4.1	ANAMETRIX
MW-1	03/24/93	11.76	6.62	5.14	Odor & Sheen	880	ND/5.7/4.4/11	ANAMETRIX
MW-1	06/23/93	11.76	8.50	3.26	NONE	680	6.2/0.7/0.6/1.6	ANAMETRIX
MW-1	09/15/93	11.76	9.27	2.49	Odor	340	3.4/2.4/3.7/7.2	ANAMETRIX
MW-1	12/07/93	11.76	9.10	2.66	NONE	510	2.7/ND/0.86/1.1	ANAMETRIX
MW-1	03/16/94	11.76	7.66	4.10	NONE	300	0.54/0.83/1.1/3.1	ANAMETRIX
MW-1	06/13/94	11.76	8.56	3.20	Odor	240	1.6/2.0/0.62/1.0	ANAMETRIX
MW-1	09/19/94	11.76	9.27	2.49	Odor & Sheen	490	4.1/7.3/4.2/8.1	ANAMETRIX
MW-1	12/15/94	11.76	7.08	4.68	Odor & Sheen	160	3.7/0.74/0.98/0.74	ANAMETRIX
MW-1	03/15/95	11.76	5.60	6.16	NONE	66	1.5/ND/ND/ND	ANAMETRIX

Sample Number	Blows per Foot	Soil Type	Time	Log	Depth in Feet	DESCRIPTION
		FILL (GW)			0	Tank Removal Backfill, Pea Gravel, compact, dense, moist.
		CL			5	
					10	Grey brown silty CLAY, medium stiff to stiff, wet.
					15	
					20	

Boring Drilled October 18, 1991 using 8 inch diameter hollow stem augers to 20 feet. Water encountered at 9 feet during drilling. Boring converted to MW1 upon completion.

William Dubovsky Environmental

3931 Luneman Road • Placerville, CA 95667

Log of Boring Number: 1
Sheet 1 of 1

Cal-West Periodicals
Oakland, California

Project Number: 9140

Date: November, 1991

Figure Number: 3