

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

STID # 1141

May 2, 1996

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. R. J. Foertsch
c/o New Cane Properties
715 46th Avenue
Oakland CA 94601

David Macdonald
c/o Waste Management, Inc.
172 98th Avenue
Oakland, CA 94603

RE: Pacific Galvanizing, 715 46th Avenue, Oakland 94601 .

Dear Messers. Foertsch and Macdonald:

This letter confirms the completion of site investigation and remedial action for the two 3000 gallon and one 1000 gallon gasoline underground storage tanks at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information and with 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 the regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Tom Peacock at (510) 567-6782 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Department of Environmental Health

c: Gordon Coleman, Acting Chief, Department of Environmental
Protection-files
Kevin Graves, RWQCB
Lori Casias, SWRCB
Mike Harper, SWRCB w/enclosure

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: September 19, 1995

Agency name: Alameda County-HazMat
City/State/Zip: Alameda, CA 94502
Responsible staff person: T. Peacock

Address: 1131 Harbor Bay Pkwy
Phone: (510) 567-6700
Title: Sup Haz. Materials Spec.

II. CASE INFORMATION

Site facility name: Pacific Galvanizing
Site facility address: 715 46th Avenue, Oakland, CA 94601
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 1141
URF filing date: 6/3/92 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
R. J. Foertsch c/o New Cane Prop.,	715 46th Ave., Oakland, CA 94601	(510) 261-7331
David Macdonald c/o Waste Management, Inc.,	172 98th Ave., Oakland, CA 94603	(510) 613-8740

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	3000	gasoline	removed	8/02/1990
2	3000	gasoline	removed	8/02/1990
3	1000	gasoline	removed	8/02/1990

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: suspected leak-holes observed in bottom of tank # 2.

Site characterization complete? YES

Date approved by oversight agency: November 17, 1993

Monitoring Wells installed? YES Number: one

Proper screened interval? YES

Highest GW depth below ground surface: 5.31' on 3/2/95 Lowest depth: 9.32' on 9/6/94

Flow direction: determined from offsite measurements-S85W (7/3/90 at Exxon-720 High St. to S8W on 3/25/92. N80W on 6/17/91 (Shell-30 High St.) to S74W on 7/7/92. S28W on 3/29/88 (Encon-Gas/PG&E-4930 Coliseum Way) to S10E on 7/2/92.

Most sensitive current use: undetermined

Are drinking water wells affected? NO Aquifer name: N/A

Is surface water affected? NO Nearest affected SW name: N/A

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

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	2-3000gal	disposal/H & H Ship	8/2/90
Tank	1-1000gal	disposal/H & H Ship	8/2/90
Piping	unknown	disposal/H & H Ship	8/2/90
Free Product			
Soil	276,280 lbs	disposal/Altamont Landfill	4/26/95
Groundwater			
Barrels			
Tank rinsate	250 gallons	disposal/H & H Ship	8/3/90

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	440	77	79	60
TPH (Diesel)	NA	NA	NA	NA
Benzene	14	0.12	<0.5	0.6
Toluene	3.2	0.48	<0.5	<0.5
Ethylbenzene	34	0.82	<0.5	<0.5
Xylenes	14	0.31	<0.5	<0.5
Oil & Grease	NA	NA	NA	NA
Heavy metals	NA	NA	NA	NA
Other - organic lead	0.15	NA	NA	NA

Comments (Depth of Remediation, etc.):

On August 3, 1990 two 3000-gallon and one 1000-gallon gasoline tanks were removed (Kaprealian Engineering, Inc.). Samples taken from below the ends of tank # 2 were analyzed, and were reported to contain 410 mg/L and 440 mg/L of TPH-g, 8 mg/L and 14 mg/L of benzene in addition to elevated levels of toluene, ethyl benzene and total xylenes. Composite samples taken from the stockpiled soil (Composite A and B) also contained detectable concentrations of TPH-g (89 to 110 mg/L) and BTEX (0.23-0.38 mg/L-B, 0.44-0.49 mg/L-T, 0.72-1.1 mg/L-E and 2.0mg/L-X). Composite C had no detectable concentrations of TPH-g or BTEX.

On September 13, 1990 a soil over-excavation was performed on the tank pit which previously held the two 3000-gallon gasoline tanks (Tanks #1 and #2). Confirmation soil samples which were analyzed had detectable concentrations of benzene (0.007 mg/L - sample SWA) and toluene (0.041-0.096 mg/L - all three samples). No detectable levels of TPH-g, ethyl benzene or total xylenes were found in the over-excavated samples.

Stockpiled soils from both excavations were aerated on-site and at 750 Kevin Court (also Brannagh property).

One ground water monitoring well was constructed on December 2, 1993 by Soils Exploration Services, Inc. Soil samples from the boring were collected from depths of 6.5' and 11.0' bgs. The sample taken from the 6.5' depth showed no detectable concentrations of TPH-g or BTEX. The soil sample taken from the 11' depth contained detectable concentrations of TPH-g (77 mg/L) and BTEX (0.12, 0.48, 0.31 and 0.82 mg/L respectively). Analysis of the one initial ground water sample showed detectable concentrations of TPH-g (0.079 mg/L) and no detectable concentrations of BTEX.

Ground water monitoring has been performed for seven consecutive quarterly sampling events. Analytical results show that the concentrations of ground water contaminants has substantially stabilized enough to warrant case closure. Maximum concentrations for TPH-g and BTEX for the last four consecutive sampling events are 70 ug/L for TPH-g, 0.6 ug/L for benzene and 3.2 ug/L for total xylenes. These levels are below both the California and USEPA Primary MCLs.

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: **None**
Number Decommissioned: **N/A** Number Retained:
List enforcement actions taken: **4/10/91 ACHCSA letter requesting submittal of work plan for SWI.**

List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Dale H. Klettke** Title: **Haz Mat Specialist**

Signature: *Dale Klettke* Date: **9/28/95**

Reviewed by

Name: **Thomas Peacock** Title: **Sup. Haz Mat Specialist**

Signature: *Thomas Peacock* Date: **9-27-95**

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: *Eva Chu* Date: **9/22/95**

VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response: *Approved*

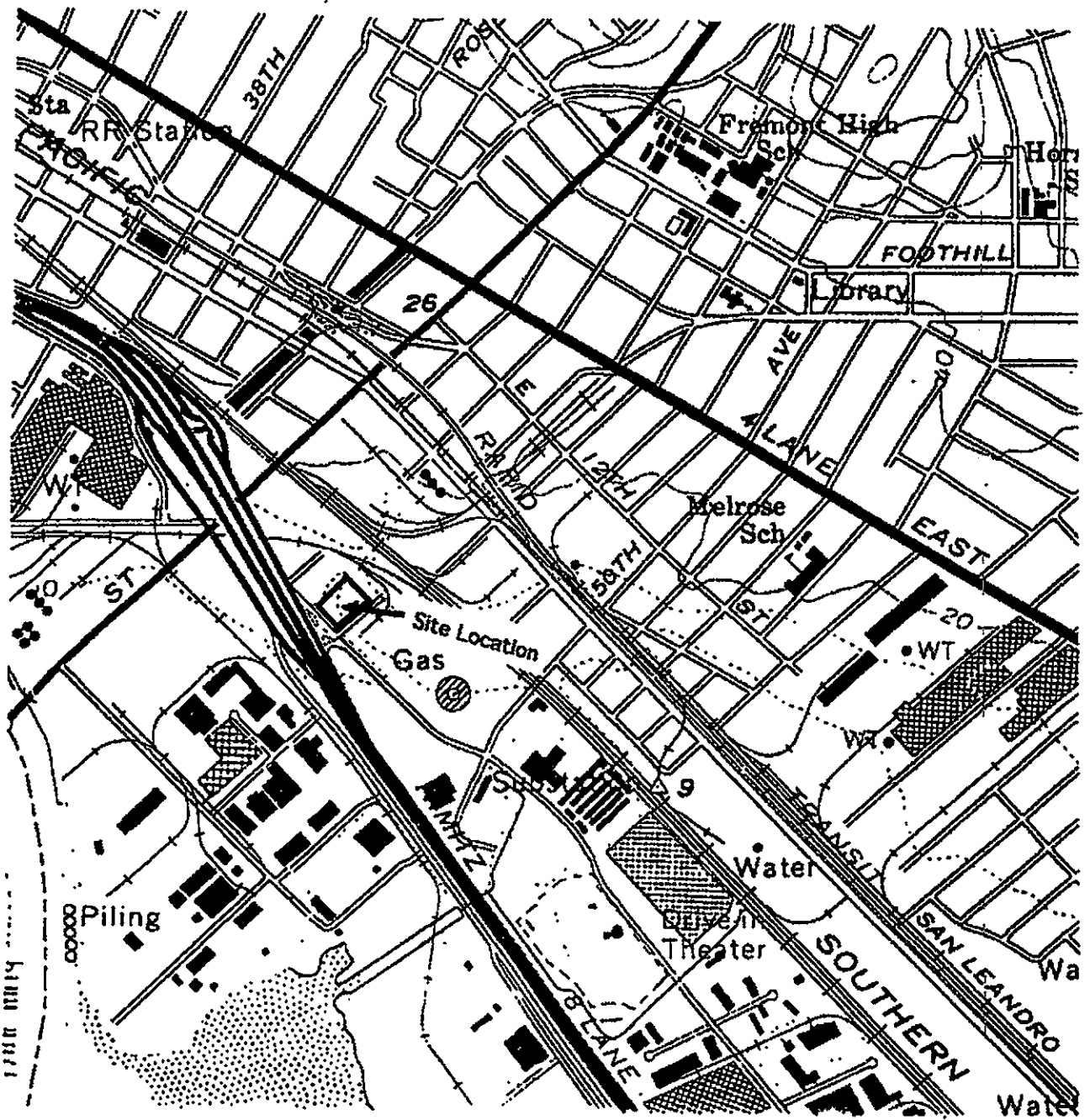
RWQCB Staff Name: **Kevin Graves**

Title: **AWRCE**

Signature: *[Handwritten Signature]*

Date: *10/20/95*

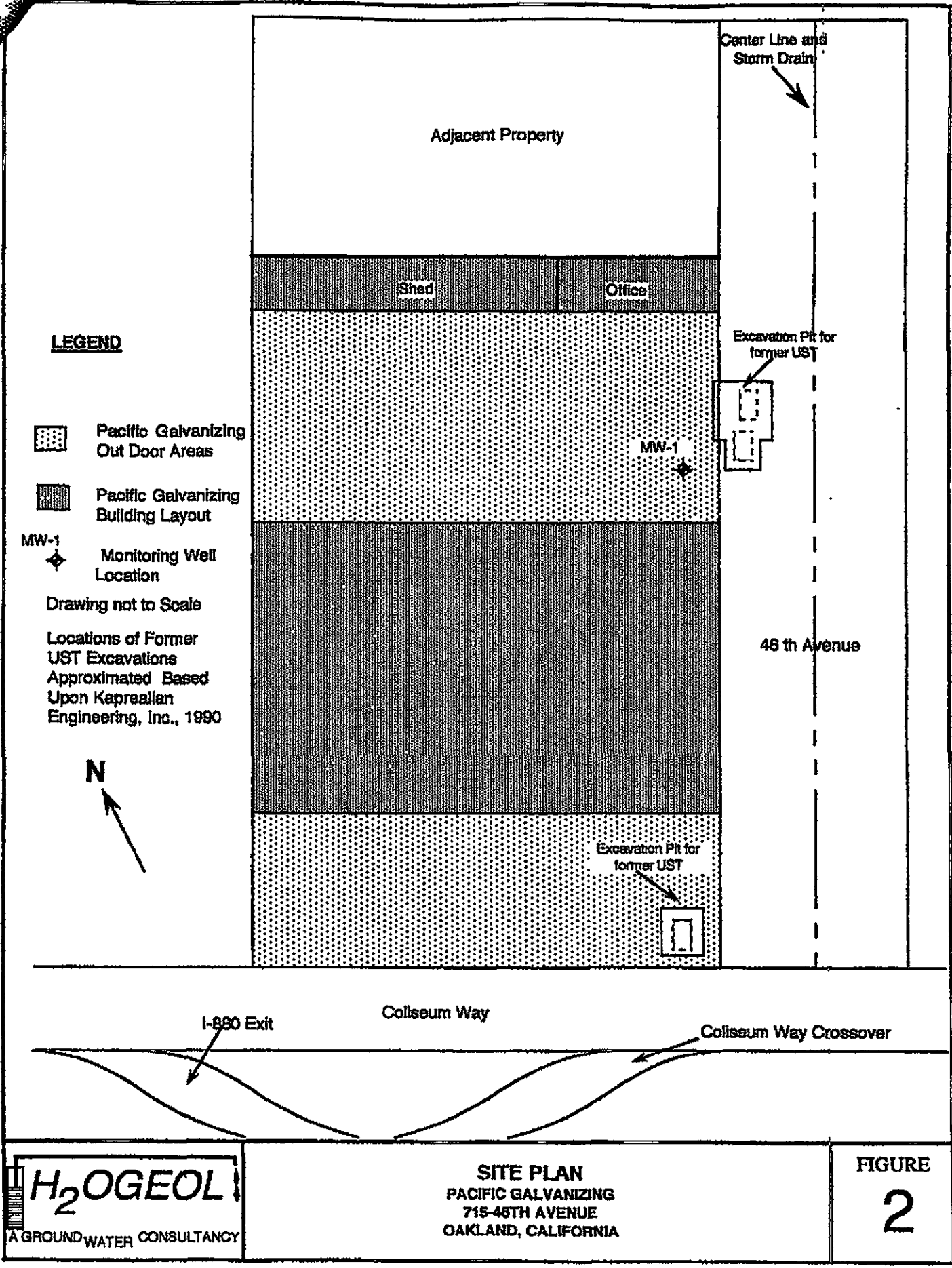
VII. ADDITIONAL COMMENTS, DATA, ETC.



H₂OGEOL
A GROUNDWATER CONSULTANCY

SITE LOCATION MAP
PACIFIC GALVANIZING
716-46TH AVENUE
OAKLAND, CALIFORNIA

FIGURE
1



LEGEND

 Pacific Galvanizing Out Door Areas

 Pacific Galvanizing Building Layout

MW-1  Monitoring Well Location

Drawing not to Scale

Locations of Former UST Excavations Approximated Based Upon Kaprealian Engineering, Inc., 1990



H₂OGEOL
A GROUND WATER CONSULTANCY

SITE PLAN
PACIFIC GALVANIZING
715-46TH AVENUE
OAKLAND, CALIFORNIA

FIGURE
2

The groundwater sample was collected at 09:15 and immediately placed in an ice chest at about 4°C. The sample was submitted to Chromalab, Inc., located in Pleasanton, California. Analyses were performed for Total Petroleum Hydrocarbons as gasoline (TPH-G), and the aromatic hydrocarbons benzene (B), toluene (T), ethylbenzene (E), and total xylene isomers (X), collectively known as BTEX.

The following table (Table 1) reports the results of the Seventh Quarter sampling along with previous quarterly results. All concentrations are expressed in µg/L. The Seventh Quarterly laboratory report and chain-of-custody documentation is attached.

Table 1
Summary of Analytical Results

Quarter	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes
First 12/06/93	79	<0.5	<0.5	<0.5	<0.5
Second 03/09/94	300	1.0	<0.5	0.6	<2.0
Third 06/06/94	300	<0.5	<0.5	<0.5	<2.0
Fourth 09/06/94	70	<0.5	<0.5	<0.5	3.2
Fifth 12/09/94	<50	<0.5	<0.5	<0.5	<0.5
Sixth 03/02/95	<50	0.6	<0.5	<0.5	<0.5
Seventh 06/05/95	60	0.6	<0.5	<0.5	<0.5
California* Primary MCL's	na	1	na	680	1,750
US E.P.A.* Primary MCL's	na	5	1,000	700	10,000

* - Marshack, Jon B., D. Env. 1993, A Compilation of Water Quality Goals, Central Valley Regional Water Quality Control Board.

The Seventh Quarterly results are within statistical error of N.D. The laboratory reported TPH-G in units of mg/L, thus 0.06 mg/L, ranging from 0.05 to 0.07 mg/L. The detection limit is 0.05 mg/L. Benzene was similarly reported just above the detection limit at 0.6 µg/L, ranging from 0.5 to 0.7 µg/L compared to a detection limit of 0.5 µg/L.

Table 2
Summary of Direction of Flow Measurements from Neighboring Sites

Site Name	Site Address	Date of Records Review	Date of Groundwater Measurement	Date of Report	Direction of Flow	Data Searched By:	Data Collected By:
Shell	630 High Street	N/A	6/17/91	N/A	N80W	Pacific Galvanizing	Converse Env. West
Shell	630 High Street	3/29/94	7/7/92	8/26/92	S74W	H2OGEOL	Weiss Associates
Shell	630 High Street	6/9/94	No Updated Reports			H2OGEOL	N/A
Shell	630 High Street	10/19/94	No Updated Reports			H2OGEOL	N/A
Exxon	720 High Street	N/A	7/3/90	10/10/90	S85W	Pacific Galvanizing	Applied GeoSystems
Exxon	720 High Street	N/A	7/26/90	10/10/90	S36W	Pacific Galvanizing	Applied GeoSystems
Exxon	720 High Street	3/29/94	3/25/92	6/22/92	S8W	H2OGEOL	RESNA
Exxon	720 High Street	6/9/94	No Updated Reports			H2OGEOL	N/A
Exxon	720 High Street	10/19/94	--	4/16/93	S80W	H2OGEOL	RESNA
ENCON-GAS/PG&E	4930 Coliseum Wy	N/A	3/29/88	N/A	S25W	Pacific Galvanizing	Aqua Resources, Inc
ENCON-GAS/PG&E	4930 Coliseum Wy	3/29/94	7/92	7/20/92	S10E	H2OGEOL	Aqua Resources, Inc
ENCON-GAS/PG&E	4930 Coliseum Wy	6/9/94	No Updated Reports			H2OGEOL	N/A
ENCON-GAS/PG&E	4930 Coliseum Wy	10/19/94	No Updated Reports			H2OGEOL	N/A
PG&E	4801 Oakport St.	3/29/94	7/2/92	10/92	S10E	H2OGEOL	PG&E
PG&E	4801 Oakport St.	6/9/94	No Updated Reports			H2OGEOL	N/A
PG&E	4801 Oakport St.	10/19/94	No Updated Reports			H2OGEOL	N/A
Bauer Property (Clarklift Site)	4701 Oakport St.	3/29/94	2/24/94	8/23/94	N 40.05 E	H2OGEOL	H2OGEOL
Bauer Property (Clarklift Site)	4701 Oakport St.	6/9/94	7/12/94	8/23/94	N 66.81 E	H2OGEOL	H2OGEOL
File not available at RWQCB. Information from 08/23/94 letter to ACEHD.							
Bauer Property (Clarklift Site)	4701 Oakport St.	10/19/94	No New Data			H2OGEOL	

Notes:

N/A - Information was not available at the RWQCB