



ENVIRONMENTAL
PROTECTION

97 SEP 19 PM 4:20

Croley and Herring Investment Company
September 17, 1997

Alameda County Health Agency
Dept. of Environmental Health
Hazardous Material Division
1131 Harbor Bay Parkway, 2nd floor
Alameda, CA. 94502

Attn: Susan Heigo - Senior Hazardous Material Specialist

Enclosed is our semi-annual monitoring report as requested in your letter of May 7, 1997. That report covers monitoring in July 1997 and the previous report was January 1997. The July report shows lower readings in almost all categories and our next report will be January 1998 when we will request closure if result continue to decline.

I would appreciate your comments on this report at a convenient time during the next 30 days, particularly if this report does not meet your requirements for closure.

Sincerely,

R. D. Herring
Croley and Herring Investment Co.

Cc. Sam Arigala - Regional Water Quality Control Board
353 Beacon Ridge Lane, Walnut Creek, California 94596
Telephone: 510-939-1118

MS. SUSAN HUGO

ENVIRONMENTAL
PROTECTION
97 SEP 19 PM 4 20

GROUNDWATER MONITORING REPORT 20

**5800 CHRISTIE AVENUE,
EMERYVILLE, CALIFORNIA**

JULY 1997

SUBMITTED TO:

**MS. SUSAN HUGO
ALAMEDA COUNTY HEALTH CARE SERVICES
HAZARDOUS MATERIALS DIVISION
1131 HARBOUR BAY PARKWAY,
ALAMEDA, CALIFORNIA 94502**

PREPARED FOR :

**CROLEY & HERRING INVESTMENT COMPANY
353 BEACON RIDGE LANE,
WALNUT CREEK, CALIFORNIA 94596**

PREPARED BY:

**ETS ENVIRONMENT & TECHNOLOGY SERVICES
2081 15TH STREET,
SAN FRANCISCO, CALIFORNIA 94114
TELEPHONE: 415-861-0810
FACIMILE: 415-861-3269**

ETS ENVIRONMENT & TECHNOLOGY SERVICES

2081 15TH STREET, SAN FRANCISCO, CALIFORNIA 94114
PHONE 415-861-0810 FAX 415-861-3269

September 28, 1997

Mr. Dick Herring
President
Croley & Herring Investment Company
353 Beacon Ridge Lane,
Walnut Creek, California 94596

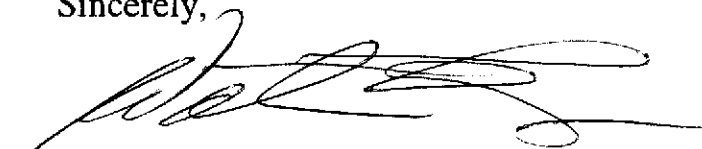
Subject: Groundwater Monitoring Report July 1997
5800 Christie Avenue, Emeryville, California

Dear Mr. Herring:

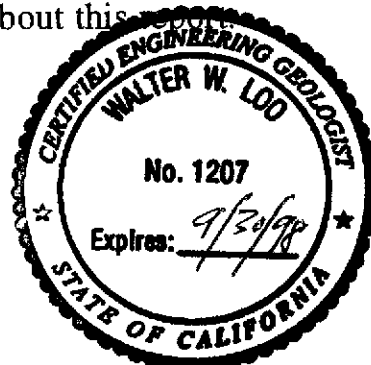
Enclosed please find a copy of the semi-annual groundwater monitoring report for the July 1997 sampling period at the subject facility. The subject groundwater monitoring event was requested by Ms. Susan Hugo of Alameda County Health Care Services in her letter of September 18, 1996.

Please contact me if you have any question about this report.

Sincerely,



Walter W. Loo, CEG 1207
President



CC: Mr. Sum Arigala, San Francisco Bay Area RWQCB
Ms. Susan Hugo, Alameda County Health Care Services

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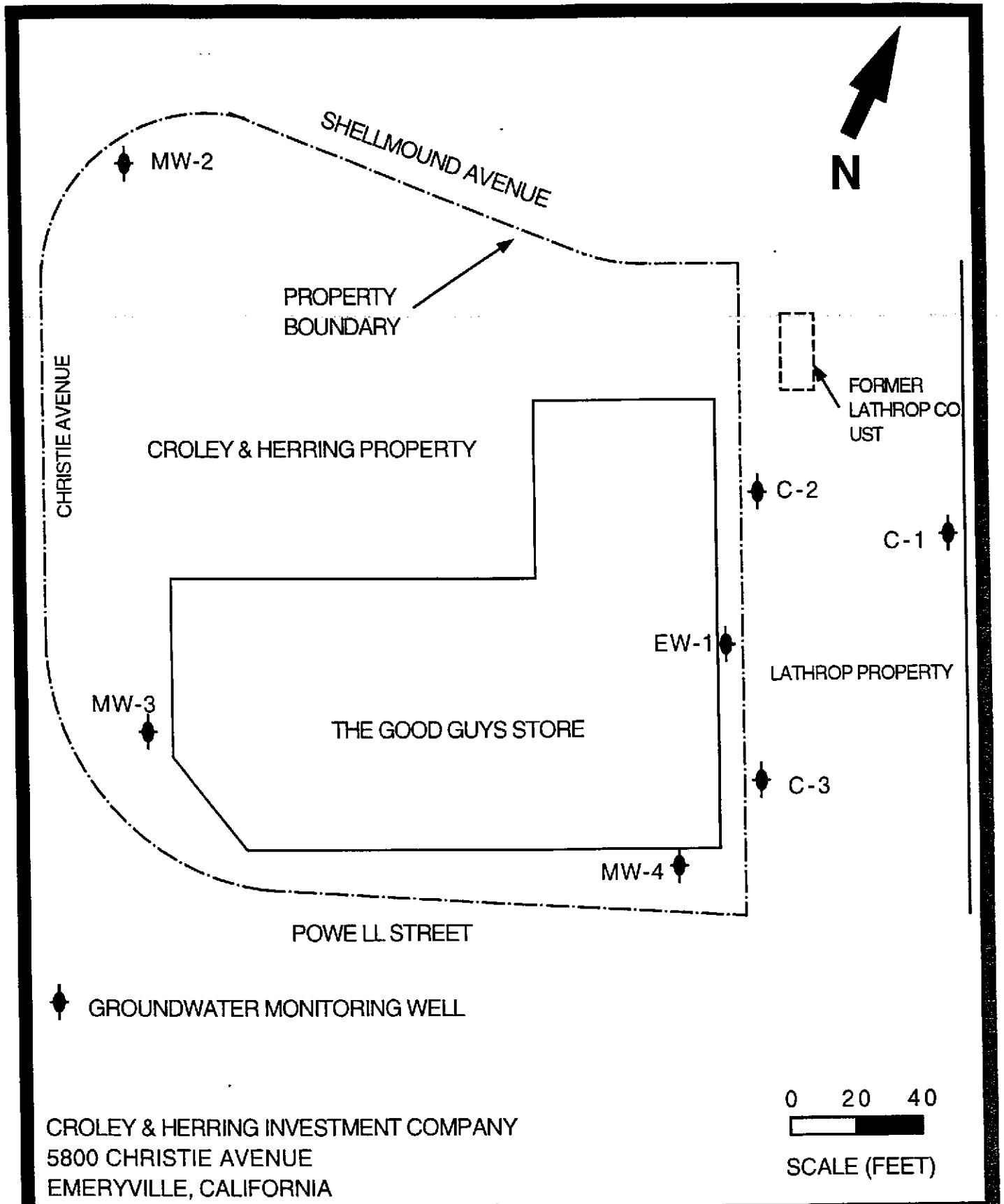
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1.0 INTRODUCTION

Environment & Technology Services(ETS) was retained by Croley & Herring Investment Company to perform the groundwater monitoring for the facility located at 5800 Christie Street in Emeryville, California. The subject facility is currently leased to an electronic merchandise retailer. Prior to leasing, soil contamination was identified at the subject facility. The contaminated soil was removed with the exception of that which was underlying the building because of safety concerns. The removed soil was remediated on-site and properly disposed of with the approval of ACHCS (7/28/89). A vapor extraction system(VES) was installed immediately adjacent to the northeastern side of the building to mitigate the residual volatile hydrocarbons contained in the soil. The residual volatile organic chemicals(VOCs) were remediated from an average VOCs concentration of about 660 ppm to a satisfactory level at an average of 0.82 ppm in soil. A soil closure plan was submitted(11/15/91) and approval of closure was received on 1/21/92 after submittal of confirming soil sampling results. The soil vapor extraction system was decommissioned and the Bay Area Air Quality Management District was notified on 12/16/91. The final VES closure report was completed on August 29, 1992. An indoor vapor monitoring system Sierra Monitor Model 5000 was installed by the "Good Guys" electronic store in 1989 through March, 1993. No significant level of methane was detected for the monitoring period. The vapor monitoring system was disconnected in March, 1993 with the concurrence of Mr. Brian Oliva of Alameda County Health Care Services, March 15,1993 correspondence. The groundwater closure letter for the chlorinated solvents was issued by Susan Hugo of ACHCS (9/30/96), and Stephen Morse of BARWQCB (11/15/96).

As part of the site activities, a quarterly groundwater monitoring program has been implemented. Previous quarterly monitoring events were conducted on November 6, 1989, February 20, 1990, May 31, 1990, September 7, 1990, December 4, 1990, April 16, 1991, July 3,1991, October 12, 1991, January 26, 1992, April 8, 1992, July 15,1992, October 19, 1992, January 11, 1993, March 29, 1993, July 7, 1993, October 8, 1993, January 19, 1994, January 25, 1995, September 18, 1995, January 29, 1996, March 25, 1996, July 11, 1996 and January 21, 1997 respectively. As per Ms. Susan Hugo's request, this groundwater level monitoring event was conducted on July 18, 1997. Groundwater samples were taken from the monitoring wells and sent to a State-certified laboratory for analysis under proper chain-of-custody procedures.

This report presents the results of this groundwater monitoring event on well EW-1 and MW-4 including laboratory analytical results, groundwater movement analysis, summary of findings, and conclusions and discussions.



ETS

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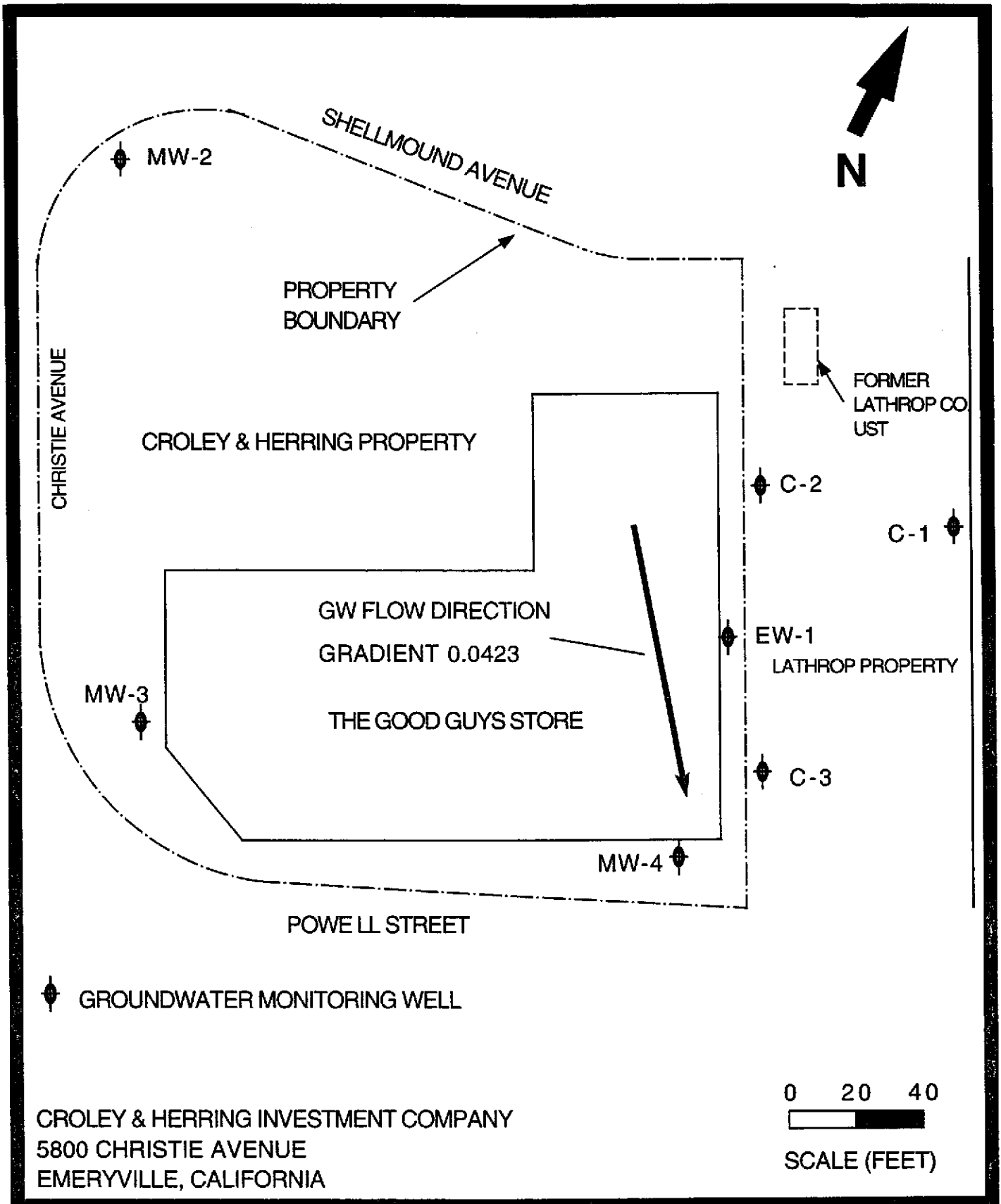
FIGURE 1
GENERAL SITE MAP

2.0 GROUNDWATER MOVEMENT ANALYSIS

Prior to sample collection, depth-to-water table in each of all existing monitoring wells was measured for the analysis of groundwater movement. Table 1 presents a summary of the water levels in the three wells (EW-1, MW-2, MW-3 and MW-4) from the groundwater monitoring events prepared by ETS.

From the water level measurements on July 18, 1997, elevation of water levels were lower, as compared to the data collected on January 21, 1997. The groundwater flow direction remained in the same direction, flowing towards the southeast (Figure 2). The hydraulic gradient was 0.0423 feet per horizontal foot.

Groundwater movement across the facility remains in a similar pattern, as compared to sampling events. Data on flow direction and hydraulic gradient are summarized in Table 2.



ETS

ENVIRONMENT & TECHNOLOGY SERVICES

FIGURE 2
SEPT. 2, 1997

GROUNDWATER FLOW MAP

3.0 GROUNDWATER QUALITY

On July 18, 1997, ETS field personnel visited the facility and collected water samples from monitoring well EW-1 and MW-4 for laboratory analysis. These groundwater samples were sent to a state-certified laboratory for analysis of total petroleum hydrocarbons, (TPH) as gasoline, using EPA method 8015M, gasoline constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX) and MTBE, using EPA method 8020, PAH Polycyclic Aromatic Hydrocarbons using EPA method 8270.

From the results of the laboratory analysis (Appendix A), water samples taken from well EW-1 contained TPH_{gas} at 2.39 ppm which was higher in January 21, 1997 (30 ppm). Also benzene was non-detect where the January 21, 1997 level was 0.007 ppm. The toluene, xylenes and ethylbenzene levels were 1.21, 0.017 and ND ppm respectively (Table 3). No traces of MTBE present. Toluene and total xylenes levels were reduced by 63% and 69% from January 1997 readings respectively.

Well MW-4 (Table 4) showed TPH_{gas} of 2.49 ppm, benzene, toluene, xylenes and ethylbenzene levels were at 0.583, 0.079, 0.169 and 0.029 ppm respectively. No traces of MTBE present. Benzene level dropped by 11% from the January 1997 readings.

**TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA**

WELL	ELEVATION OF TOC	1/6/89		2/20/90		5/31/90		9/7/90		12/4/90		4/16/91	
		DTW	SWL	DTW	SWL	DTW	SWL	DTW	SWL	DTW	SWL	DTW	SWL
EW-1	8.62	6.15	2.47	5.93	2.69	5.86	2.76	6.30	2.32	7.39	1.23	6.02	2.60
MW-2	7.42	4.34	3.08	4.26	3.16	4.26	3.16	4.60	2.82	4.67	2.75	4.31	3.11
MW-3	6.42	5.10	1.32	5.42	1.00	4.93	1.49	5.15	1.27	5.96	0.46	5.25	1.17
WELL	ELEVATION OF TOC	7/3/91		10/14/91		1/9/92		7/15/92		10/19/92		1/11/93	
		DTW	SWL	DTW	SWL	DTW	SWL	DTW	SWL	DTW	SWL	DTW	SWL
EW-1	8.62	6.20	2.42	6.50	2.12	6.20	2.42	6.10	2.52	6.10	2.52	5.50	3.12
MW-2	7.42	4.52	2.90	3.92	3.50	4.43	2.99	4.42	3.00	4.77	2.65	2.90	4.52
MW-3	6.42	5.33	1.09	4.63	1.79	6.50	-0.08	5.23	1.19	5.37	1.05	3.60	2.82
WELL	ELEVATION OF TOC	4/19/93		7/13/93		10/15/93		1/19/94		1/4/95		9/18/95	
		DTW	SWL	DTW	SWL	DTW	SWL	DTW	SWL	DTW	SWL	DTW	SWL
EW-1	8.62	5.95	2.67	6.20	2.42	6.25	2.37	6.30	2.32	4.75	3.87	6.30	2.32
MW-2	7.42	4.35	3.07	4.70	2.72	4.25	3.17	4.90	2.52	3.57	3.85	4.70	2.72
MW-3	6.42	5.10	1.32	5.35	1.07	5.35	1.07	5.30	1.12	5.10	1.32	5.10	1.32
MW-4	7.07 (a)	NS	NS	5.75	1.32	5.80	1.27	5.75	1.32	6.10	0.97	6.90	0.17
WELL	ELEVATION OF TOC	3/25/96		NEWLY SURVEYED ELEVATION	7/30/96		1/21/97		9/2/97				
		DTW	SWL		DTW	SWL	DTW	SWL	DTW	SWL			
EW-1	8.62	4.95	3.67	9.16	6.30	2.86	7.10	2.06	5.8	3.36			
MW-2	7.42	3.50	3.92	7.41	4.74	2.67	2.99	4.42	4.8	2.61			
MW-3	6.42	4.60	1.82	8.53	5.60	2.93	2.95	NS	4.7	3.83			
MW-4	7.07 (a)	6.40	0.67	7.62	6.71	0.91	5.05	2.57	6.8	0.82			

*DTW : Depth to water table *SWL : Static water level above MSL *MSL : Mean sea level *TOC : Top of casing *NS : Not Sampled *(a) : Adjusted elevation

TABLE 2

SUMMARY OF GROUNDWATER MOVEMENT ANALYSIS

DATE	FLOW DIRECTION	GRADIENT
4/25/89	SOUTHWEST	0.0010
11/6/89	SOUTH	0.0120
2/20/90	SOUTH	0.0160
5/31/90	SOUTH	0.0125
9/7/90	SOUTH	0.0115
12/4/90	SOUTH	0.0450
4/16/91	SOUTH	0.0140
7/3/91	SOUTH	0.0130
10/14/91	SOUTH	0.0110
1/9/92	SOUTHWEST	0.0238
7/15/92	SOUTH	0.0130
10/19/92	SOUTH	0.0127
1/11/93	SOUTH	0.0110
4/19/93	SOUTHWEST	0.0130
7/7/93	SOUTHWEST	0.0130
10/15/93	SOUTH	0.0153
1/19/94	SOUTH	0.0105
1/4/95	SOUTH	0.0280
9/18/95	SOUTHWEST	0.0176
3/25/96	SOUTHWEST	0.0177
7/30/96	SOUTH	0.0288
1/21/97	SOUTH	0.0094
9/2/97	SOUTHEAST	0.0423

TABLE 3**SUMMARY OF GROUNDWATER QUALITY WELL EW-1 (mg/L)**

COMPOUND	7/7/93	10/8/93	1/19/94	1/25/95	9/18/95	1/6/96	1/29/96	3/25/96	7/11/96	1/21/97	7/18/97
TPH as gas	40	12	5	13	3.2	1.7	1.8	1.3	NA	30	2.39
BENZENE	ND	ND	0.022	0.026	ND	ND	ND	ND	ND	0.007	ND
TOLUENE	3.6	11	4.3	5	0.62	1.2	1.1	0.55	5.87	3.22	1.21
TOTAL XYLENES	ND	0.081	0.07	0.048	0.015	0.033	0.043	0.011	0.055	0.055	0.017
ETHYLBENZENE	ND	ND	0.012	0.009	ND	ND	ND	ND	0.013	0.012	ND
MTBE	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND

*NA : Not analysed

*ND : Non-Detected

TABLE 4**SUMMARY OF GROUNDWATER QUALITY WELL MW-4 (mg/L)**

COMPOUND	7/7/93	10/8/93	1/19/94	1/25/95	9/18/95	1/29/96	3/25/96	7/11/96	1/21/97	7/18/97
TPH as gas	< 100	2.2	0.35	26	5.3	11	14	NA	2.48	2.49
BENZENE	0.8	0.29	0.21	1.4	0.57	0.75	1	0.86	0.659	0.583
TOLUENE	0.28	0.22	0.025	0.27	0.11	0.11	0.15	0.076	0.095	0.079
TOTAL XYLENES	0.3	0.2	0.037	0.28	0.096	0.14	0.22	0.24	0.104	0.169
ETHYLBENZENE	0.27	0.12	0.035	0.56	0.16	0.24	0.38	0.13	0.058	0.029
MTBE	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND

NA : Not analysed**ND : Non-Detected**

Table 5

SUMMARY OF GROUNDWATER QUALITY
DISSOLVED OXYGEN (DO) IN mg/L
ON 7/18/97

EW-1	MW-4
7.0	6.0

TABLE 6

SUMMARY OF GROUNDWATER QUALITY ANALYSIS (PAH IN mg/L)

PARAMETER	EW-1	MW-4
ACENAPHTHENE	ND	0.37
ACENAPHTHYLENE	ND	0.07
ANTHRACENE	ND	ND
BENZO (a) ANTHRACENE	ND	ND
BENZO (b) FLUORANTHENE	ND	ND
BENZO (k) FLUORANTHENE	ND	ND
BENZO (g,h,i) PERYLENE	ND	ND
CHRYSENE	ND	ND
DIBENZO (a,h) ANTHRACENE	ND	ND
FLUORANTHENE	ND	ND
FLUORENE	ND	0.07
INDENO (1,2,3-cd) PYRENE	ND	ND
NAPHTHALENE	ND	ND
PHENANTHRENE	ND	ND

ND : NON-DETECT

4.0 SUMMARY OF FINDINGS

A semi-annual monitoring of wells EW-1 and MW-4 was done and samples were turned over to the laboratory on July 21, 1997. Tables 3 and 4 present the analytical results for each well.

With regards to EW-1, all values for TPH_{gas} and BTEX were substantially down. TPH_{gas} dropped from 30 ppm in January 1997 to 2.39 ppm in July 1997. Toluene declined from 3.22 ppm to 1.21. PAH's were all ND.

MW-4 results show less spectacular declines but benzene was down more than 10% to 0.583 ppm. Only xylene showed a slight increase from 0.104 to 0.169 ppm and TPH_{gas} remained the same at 2.49. PAH's on MW-4 showed acenaphthene increasing from 0.095 ppm to 0.370 ppm while naphthalene dropped from 3.9 ppm to ND.

For both wells, MTBE was non-detect. It appears that the oxygen generating remediation material is contributing to the improved results in both wells. We will continue these methods and look forward to your review of our request for closure following the January 1998 monitoring.

APPENDIX A

**GROUNDWATER LABORATORY ANALYSIS (ENVIRO-CHEM,
INC.) REPORT**

**ENVIRO-CHEM, INC.
LABORATORIES**

1214 E. Lexington Ave.

Pomona, CA 91766

(909) 590-5905 • Fax: (909) 590-5907

CHAIN of CUSTODY RECORD

Lab Project # _____

CA-DHS ELAP CERTIFICATE # 1555

DATE: 7/18/97
PAGE: 1 of 1

REPORT TO: DICK HERRING (CHIC)			PROJECT NAME: CHIC			TURN AROUND TIME DESIRED					
STREET: 353 BEACON RIDGE LANE			PROJECT CONTACT: WALTER LOO			<input type="checkbox"/> Same Day <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> Standard (2 Weeks)					
CITY: WALNUT CREEK		STATE: CA	ZIP: 94596		SAMPLER(S) SIGNATURE: X. NOBBERENTZ			<input type="checkbox"/> Others: _____ Confirmed By: _____			
TEL: (510) 939 1118		FAX: () 58ME		AFTER ANALYSES, SAMPLES ARE TO BE:			<input checked="" type="checkbox"/> DISPOSED OF <input type="checkbox"/> STORED (30 days) <input type="checkbox"/> RETURNED TO CLIENT <input type="checkbox"/> OTHER: _____				
SHIPPING INFORMATION:											
RELINQUISHED BY: (Signature)				RECEIVED BY: (Signature) [Signature]				DATE: 7/21/97		TIME: 1033	
RELINQUISHED BY: (Signature)				RECEIVED BY: (Signature)				DATE:		TIME:	
RELINQUISHED BY: (Signature)				RECEIVED BY: (Signature)				DATE:		TIME:	
SAMPLE I.D.	LAB I.D.	SAMPLING DATE/TIME	MATRIX	No of Containers	ANALYSIS REQUESTED	SAMPLE RECEIVED CONDITION		Sample Stored Location			
EW-1			Water	1 Liter Bottle	PAH						
				140ml Vial		BTEX					
MW-4			Water	1 Liter Bottle	TPH gas						
				140ml Vial		MTBE					

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CROLEY & HERRING CO., 448 THARP DRIVE, MORAGA, CA 94556
TEL (510) 376-3473 FAX (415) 861-3269

PROJECT: CHICMATRIX: WATER

DATE SAMPLED: _____

REPORTED TO: MR. DICK HERRINGMR. WALTER LOO/ETSDATE SAMPLE REC'D: 07/21/97DATE ANALYZED: 07/21-28/97DATE REPORTED: 07/28/97SAMPLE I.D.: EW-1LAB I.D.: 970721-24ANALYSIS: POLYNUCLEAR AROMATIC HYDROCARBONS, EPA METHOD 8270UNIT: UG/L (PPB)

PARAMETER	SAMPLE RESULT	DETECTION LIMIT X5
ACENAPHTHENE	ND	5
ACENAPHTHYLENE	ND	5
ANTHRACENE	ND	5
BENZO (a) ANTHRACENE	ND	5
BENZO (a) PYRENE	ND	5
BENZO (b) FLUORANTHENE	ND	5
BENZO (k) FLUORANTHENE	ND	5
BENZO (g, h, i) PERYLENE	ND	5
CHRYSENE	ND	5
DIBENZO (a, h) ANTHRACENE	ND	5
FLUORANTHENE	ND	5
FLUORENE	ND	5
INDENO (1, 2, 3-cd) PYRENE	ND	5
NAPHTHALENE	ND	5
PHENANTHRENE	ND	5
PYRENE	ND	5

ND = NON-DETECTED OR BELOW THE DETECTION LIMIT

Data Reviewed and Approved by: *Walter Loo*
 CAL-DHS ELAP#1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CROLEY & HERRING CO., 448 THARP DRIVE, MORAGA, CA 94556
TEL (510) 376-3473 FAX (415) 861-3269

PROJECT: CHICMATRIX: WATER

DATE SAMPLED: _____

REPORTED TO: MR. DICK HERRINGMR. WALTER LOO/ETSDATE SAMPLE REC'D: 07/21/97DATE ANALYZED: 07/21-28/97DATE REPORTED: 07/28/97SAMPLE I.D.: MW-4LAB I.D.: 970721-25ANALYSIS: POLYNUCLEAR AROMATIC HYDROCARBONS, EPA METHOD 8270UNIT: UG/L (PPB)

PARAMETER	SAMPLE RESULT	DETECTION LIMIT	X5
ACENAPHTHENE	370	5	
ACENAPHTHYLENE	70	5	
ANTHRACENE	ND	5	
BENZO (a) ANTHRACENE	ND	5	
BENZO (a) PYRENE	ND	5	
BENZO (b) FLUORANTHENE	ND	5	
BENZO (k) FLUORANTHENE	ND	5	
BENZO (a, h, i) PERYLENE	ND	5	
CHRYSENE	ND	5	
DIBENZO (a, h) ANTHRACENE	ND	5	
FLUORANTHENE	ND	5	
FLUORENE	70	5	
INDENO (1, 2, 3-cd) PYRENE	ND	5	
NAPHTHALENE	ND	5	
PHENANTHRENE	ND	5	
PYRENE	ND	5	

ND = NON-DETECTED OR BELOW THE DETECTION LIMIT

Data Reviewed and Approved by: *Ante Pinto*
 CAL-DHS ELAP#1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: CROLEY & HERRING CO., 448 THARP DRIVE, MORAGA, CA 94556
TEL (510) 376-3473 FAX (415) 861-3269

PROJECT: CHICMATRIX: WATER

DATE SAMPLED: _____

DATE SAMPLE REC'D: 07/21/97DATE ANALYZED: 07/21-28/97REPORTED TO: MR. DICK HERRINGDATE REPORTED: 07/28/97MR. WALTER LOO/ETS-----
METHOD BLANK FOR 970721-24; 970721-25
-----ANALYSIS: POLYNUCLEAR AROMATIC HYDROCARBONS, EPA METHOD 8270
-----UNIT: UG/L (PPB)

PARAMETER	SAMPLE RESULT	DETECTION LIMIT X5
ACENAPHTHENE	ND	5
ACENAPHTHYLENE	ND	5
ANTHRACENE	ND	5
BENZO (a) ANTHRACENE	ND	5
BENZO (a) PYRENE	ND	5
BENZO (b) FLUORANTHENE	ND	5
BENZO (k) FLUORANTHENE	ND	5
BENZO (g, h, i) PERYLENE	ND	5
CHRYSENE	ND	5
DIBENZO (a, h) ANTHRACENE	ND	5
FLUORANTHENE	ND	5
FLUORENE	ND	5
INDENO (1, 2, 3-cd) PYRENE	ND	5
NAPHTHALENE	ND	5
PHENANTHRENE	ND	5
PYRENE	ND	5

ND = NON-DETECTED OR BELOW THE DETECTION LIMIT

Data Reviewed and Approved by: *Lucretia Dinkler*

CAL-DHS ELAP#1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CROLEY & HERRING CO., 448 THARP DRIVE, MORAGA, CA 94556
TEL (510) 376-3473 FAX (415) 861-3269

PROJECT: CHICMATRIX: WATER

DATE SAMPLED: _____

REPORTED TO: MR. DICK HERRINGMR. WALTER LOO/ETSDATE SAMPLE REC'D: 07/21/97DATE ANALYZED: 07/21-28/97DATE REPORTED: 07/28/97SAMPLE I.D.: EW-1LAB I.D.: 970721-24

PARAMETER	UNIT	SAMPLE RESULT	D.L. (X5)	EPA METHOD
TPH as GASOLINE (C4-C10)	uG/L	2,390	50	5030/8015M
BENZENE	uG/L	ND	1	5030/8020
TOLUENE	uG/L	1,210	1	5030/8020
ETHYLBENZENE	uG/L	ND	1	5030/8020
TOTAL XYLENES	uG/L	17	2	5030/8020
MTBE	uG/L	ND	5	5030/8020

COMMENTS

uG/L = PPB

D.L. = DETECTION LIMIT

ND = BELOW THE DETECTION LIMIT OR NON-DETECTED

TPH = TOTAL PETROLEUM HYDROCARBONS

MTBE = METHYL TERTIARY BUTYL ETHER

DATA REVIEWED AND APPROVED BY: *Walter Loo*

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CROLEY & HERRING CO., 448 THARP DRIVE, MORAGA, CA 94556
TEL (510) 376-3473 FAX (415) 861-3269

PROJECT: CHICMATRIX: WATER

DATE SAMPLED: _____

REPORTED TO: MR. DICK HERRINGMR. WALTER LOO/ETSDATE SAMPLE REC'D: 07/21/97DATE ANALYZED: 07/21-28/97DATE REPORTED: 07/28/97SAMPLE I.D.: MW-4LAB I.D.: 970721-25

PARAMETER	UNIT	SAMPLE RESULT	D.L. (X5)	EPA METHOD
TPH as GASOLINE (C4-C10)	uG/L	2,490	50	5030/8015M
BENZENE	uG/L	583	1	5030/8020
TOLUENE	uG/L	79	1	5030/8020
ETHYLBENZENE	uG/L	29	1	5030/8020
TOTAL XYLENES	uG/L	169	2	5030/8020
MTBE	uG/L	ND	5	5030/8020

COMMENTS

uG/L = PPB

D.L. = DETECTION LIMIT

ND = BELOW THE DETECTION LIMIT OR NON-DETECTED

TPH = TOTAL PETROLEUM HYDROCARBONS

MTBE = METHYL TERTIARY BUTYL ETHER

DATA REVIEWED AND APPROVED BY: *Walter Loo*

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METHOD BLANK REPORT

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METHOD BLANK FOR 970122-14,15,16

<u>PARAMETER</u>	<u>UNIT</u>	<u>SAMPLE RESULT</u>	<u>D.L. (X1)</u>	<u>EPA METHOD</u>
TPH as GASOLINE (C4-C10)	uG/L	ND	50	5030/8015M
BENZENE	uG/L	ND	1	5030/8020
TOLUENE	uG/L	ND	1	5030/8020
ETHYLBENZENE	uG/L	ND	1	5030/8020
TOTAL XYLENES	uG/L	ND	2	5030/8020
MTBE	uG/L	ND	5	5030/8020

COMMENTS

uG/L = PPB

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