



Technology, Engineering & Construction, Inc.

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TECHNOLOGY, ENGINEERING & CONSTRUCTION, INC.

July 13, 2000

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Agency
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

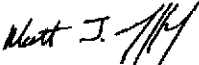
SUBJECT: QUARTERLY SAMPLING AND ANALYSIS OF SIX MONITORING WELLS AT THE OLYMPIAN GASOLINE STATION, 1435 WEBSTER STREET IN ALAMEDA, CALIFORNIA

Dear Ms. Chu:

TEC Accutite is pleased to submit this quarterly monitoring report for the above referenced site. On June 13, 2000, TEC Accutite sampled six monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6). The results of this quarterly monitoring episode are presented in the following report.

Thank you for your cooperation. If you have any questions, please call me at (650) 952-5551, Ext. 205.

Sincerely,
Accutite


Matthew J. Gaffney
Project Geologist

Cc: Mr. Dan Koch, Olympian, 260 Michelle Court, South San Francisco, CA 94080
Mr. David Harris, Esq., Trump, Alioto, Trump & Prescott, LLP, 2280 Union Street, San Francisco, CA 94123
Mr. Jeff Farrar, P.O. Box 1701, Chico, CA 95927

SECOND QUARTER 2000
GROUNDWATER MONITORING REPORT
AT
FORMER SERVICE STATION
1435 WEBSTER STREET
ALAMEDA, CA

PREPARED FOR:
OLYMPIAN
260 MICHELLE COURT
SOUTH SAN FRANCISCO, CA

PREPARED BY:
TEC ACCUTITE
35 SOUTH LINDEN AVENUE
SOUTH SAN FRANCISCO, CA 94080

SAMPLING DATE: JUNE 23, 1999



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1. SITE LOCATION
2. GROUNDWATER FLOW DIRECTION AND GRADIENT

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- A. GROUNDWATER SAMPLING FORMS
- B. LABORATORY ANALYSIS



1.0 INTRODUCTION

This report presents the results of the 2nd quarter 2000 monitoring of six groundwater wells (MW-1 through MW-6) completed on June 13, 2000 by TEC Accutite (Accutite) at 1435 Webster Street in Alameda, California (Figure 1). This quarterly monitoring was performed on behalf of Olympian and at the request of the Alameda County, Division of Environmental Protection. This report presents the analytical findings from the 2nd quarter 2000 groundwater monitoring event.

2.0 BACKGROUND

The subject site used to operate as a gasoline station prior to 1989. In September, 1989, The following underground storage tanks (USTs) were removed from the site (Figure 2):

- Two 10,000-gallon gasoline USTs
- One 7,500-gallon gasoline USTs
- One 500-gallon waste oil USTs

The soil samples collected after removing the USTs showed up to 220 parts per million (ppm) of Total Petroleum Hydrocarbons as Gasoline (TPH-G), 430 ppm as Total Petroleum Hydrocarbons as Diesel (TPH-D), and 650 ppm of Total Recoverable Petroleum Hydrocarbons as Oil and Grease (TRPH).

In 1991, approximately 950 cubic yards of soil was removed from the former location of the USTs. Subsequently, this soil was bioremediated onsite and returned to the former excavation.

In January 1993, three monitoring wells were installed onsite (MW-1, MW-2, and MW-3). The groundwater samples collected to date from these wells showed fluctuating concentrations of TPH-G, BTEX, and TPH-D.

To determine the extent of the impact of petroleum hydrocarbons on the soil and groundwater, on February 11, 1999, Accutite advanced four borings (B1 through B4) and sampled soil and groundwater. The soil laboratory results showed non-detect to non-significant concentrations of TPH-G, BTEX, and MTBE. The groundwater analytical results from the groundwater samples, collected from the borings showed up to 6,000 ppb MTBE and 38,000 benzene.

Based on noticeable concentrations of TPH-G, BTEX, and MTBE, Alameda County Environmental Health Services (ACEHS) suggested the installation of three additional wells on and offsite to assess the extent and the stability of the of the plume. The additional three wells were installed in December 1999.

3.0 ELEVATION DATA AND GROUNDWATER FLOW DIRECTION

On June 13, 2000, prior to sampling, Accutite measured the groundwater elevations in all six wells. The reference mark considered as a base for calculating the groundwater elevations was a fire hydrant, located on the sidewalk of Webster Street (Figure 2).

The calculated groundwater flow direction was to the southeast (Figure 2) with a gradient of 0.004 ft/ft. Table 1 below summarizes the elevation data from 6/13/2000:



TABLE Elevation Data			
Well Identification	Elevation of Casing in ft	Depth to Ground-Water in ft on June 13, 2000	Ground Water Elevation in ft
MW-1	19.53	8.73	10.8
MW-2	19.80	8.99	10.81
MW-3	19.79	8.76	11.03
MW-4	19.30	8.18	11.12
MW-5	18.99	7.95	11.04
MW-6	20.27	9.14	11.13

4.0 SAMPLING

On June 13, 2000, Accutite sampled all six monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6. Wells were purged prior to sampling. The sampling logs are included in Appendix A. The groundwater samples were obtained through a disposable bailer, and were directly transferred into the sampling vials and containers. The samples were transported in a cooler at approximately 4°C. A completed chain of custody accompanied the samples to North State Environmental Laboratory.

5.0 LABORATORY ANALYSIS

The laboratory results are included in Appendix B. A tabulated summary of the analytical findings to date is included in Table 2, below.



TABLE 2 Cumulative Groundwater Analytical Results

Sample ID	Date Of Sampling	Depth to Water (ft)	TPH-D ⁽¹⁾ in ppb ⁽²⁾	TPH-G ⁽³⁾ in ppb	Benzene in ppb	Toluene in ppb	Ethyl Benzene in ppb	Xylenes in ppb	MTBE ⁽⁴⁾ in ppb	TRPH ⁽⁵⁾ ppm ⁽⁶⁾
MW-1	6/03/93	N/A ⁽⁷⁾	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	9/14/94	11.46	<50	14,000	44	28	25	50	NA ⁽⁸⁾	0.8
	12/30/94	9.22	<50	4,000	12	9	6.8	30	NA	<0.5
	3/26/95	6.76	<50	1,000	21	10	7.1	25	NA	2.1
	07/9/95	8.92	<50	16,000	57	28	25	53	NA	NA
	07/31/98	8.30	1,700	4,700	1,300	48	140	150	6,600	<5
	02/11/99	7.91	2000	25,000	18,000	1,600	1,400	500	28,000	NA
	6/23/99	9.03	4,900	42,000	11,000	1,100	1,500	2,300	15,000	NA
	12/06/99	10.86	4,000	44,000	8,900	3,400	1,900	5,100	11,000	NA
	03/16/00	6.93	700	5,100	2,400	100	280	460	2700 ⁽⁹⁾	NA
	06/13/00	8.73	2,300	17,000	5,300	260	720	790	7,000 ⁽⁹⁾	NA
MW-2	6/03/93	9.54	<50	<50	5.8	<0.5	<0.5	<0.5	NA	<0.5
	9/14/94	11.82	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5
	12/30/94	9.46	<50	160	1.4	1.4	0.8	5.0	NA	<0.5
	3/26/95	6.82	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5
	07/9/95	9.22	NA	NA	NA	NA	NA	NA	NA	NA
	07/31/98	8.56	220	<50	<0.5	<0.5	<0.5	<0.5	73	<5
	02/11/99	8.12	<50	<50	<0.5	<0.5	<0.5	<0.5	75	NA
	6/23/99	9.33	420	<50	<0.5	<0.5	<0.5	<0.5	96	NA
	12/06/99	11.20	<110	300	28	45	6	37	210	NA
	03/16/00	6.88	<50	<50	1.0	<0.5	0.5	1.0	3.0	NA
	06/13/00	8.99	<50	68	0.8	<0.5	<0.5	<0.5	38	NA
MW-3	6/03/93	9.80	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5
	9/14/94	12.19	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5
	12/30/94	9.72	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5
	3/26/95	6.88	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5
	07/9/95	9.52	NA	NA	NA	NA	NA	NA	NA	NA
	07/31/98	8.40	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5
	02/11/99	7.77	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA
	06/23/99	9.21	<50	<50	<0.5	<0.5	<0.5	<0.5	3.0	NA
	12/06/99	11.12	<110	<50	3	1	<0.5	1	0.6	NA
	03/16/00	6.48	<50	<50	<0.5	<0.5	<0.5	<1.0	1.0	NA
	06/13/00	8.76	<0.05	490	0.8	<0.5	<0.5	9	2	NA
MW-4	12/06/99	10.79	160	<50	3	2	0.6	4	140	NA
	03/16/00	6.86	90	<50	0.5	0.5	<0.5	2.0	34	NA
	06/13/00	8.18	<50	56	<0.5	<0.5	<0.5	<1.0	1	NA
MW-5	12/06/99	10.17	2,800	30,000	2,200	3,300	910	7000	670	NA
	03/16/00	6.28	1,100	3,500	1,100	260	210	6300	260	NA
	06/13/00	7.95	1,100	6,500	2200	360	360	730	480	NA
MW-6	12/06/99	11.46	110	<50	2	2	0.8	8	1	NA
	03/16/00	8.32	<50	<50	8.0	8.0	5	18	<0.5	NA
	06/13/00	9.14	<50	75	0.7	1	0.9	2	0.6	NA



- (1) TPH-D = Total Petroleum Hydrocarbons as Diesel
- (2) ppb = part per billion or microgram per liter
- (3) TPH-G = Total Petroleum Hydrocarbons as Gasoline
- (4) MTBE = Methyl tertiary butyl ether
- (5) TRPH = Total Recoverable Petroleum Hydrocarbons as Oil and Grease
- (6) ppm = part per million or milligram per liter
- (7) Well was not accessible because of a parking car in its location
- (8) NA denotes not analyzed for the indicated compound
- (9) Confirmed with EPA 8260

6.0 FINDINGS

Accutite concludes the following:

- The present groundwater flow direction is toward the southeast with gradient 0.004ft/ft.
- Non-detect to non-significant concentrations of the analyzed contaminants were detected in MW-2, MW-3, MW-4, and MW-6.
- TPH-G was detected in MW-1 at 17,000 ppb, benzene at 5,300 ppb, and MTBE at 7,000 ppb. MTBE was confirmed by using the GC/MS, EPA Method 8260.

7.0 RECOMMENDATIONS

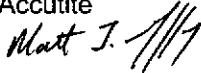
- Accutite recommends continuing the groundwater analysis for one more quarter. In the coming quarter, analysis for oxygenates will be performed on the groundwater sample from MW-1 which showed the highest concentration of MTBE.

8.0 LIMITATIONS

Our services consist of professional opinions, conclusions, and recommendations made today in accordance with generally accepted engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied.

Thank you for your cooperation. If you have any questions, please contact the undersigned at (650) 952-5551, Ext. 205.

Sincerely,
Accutite



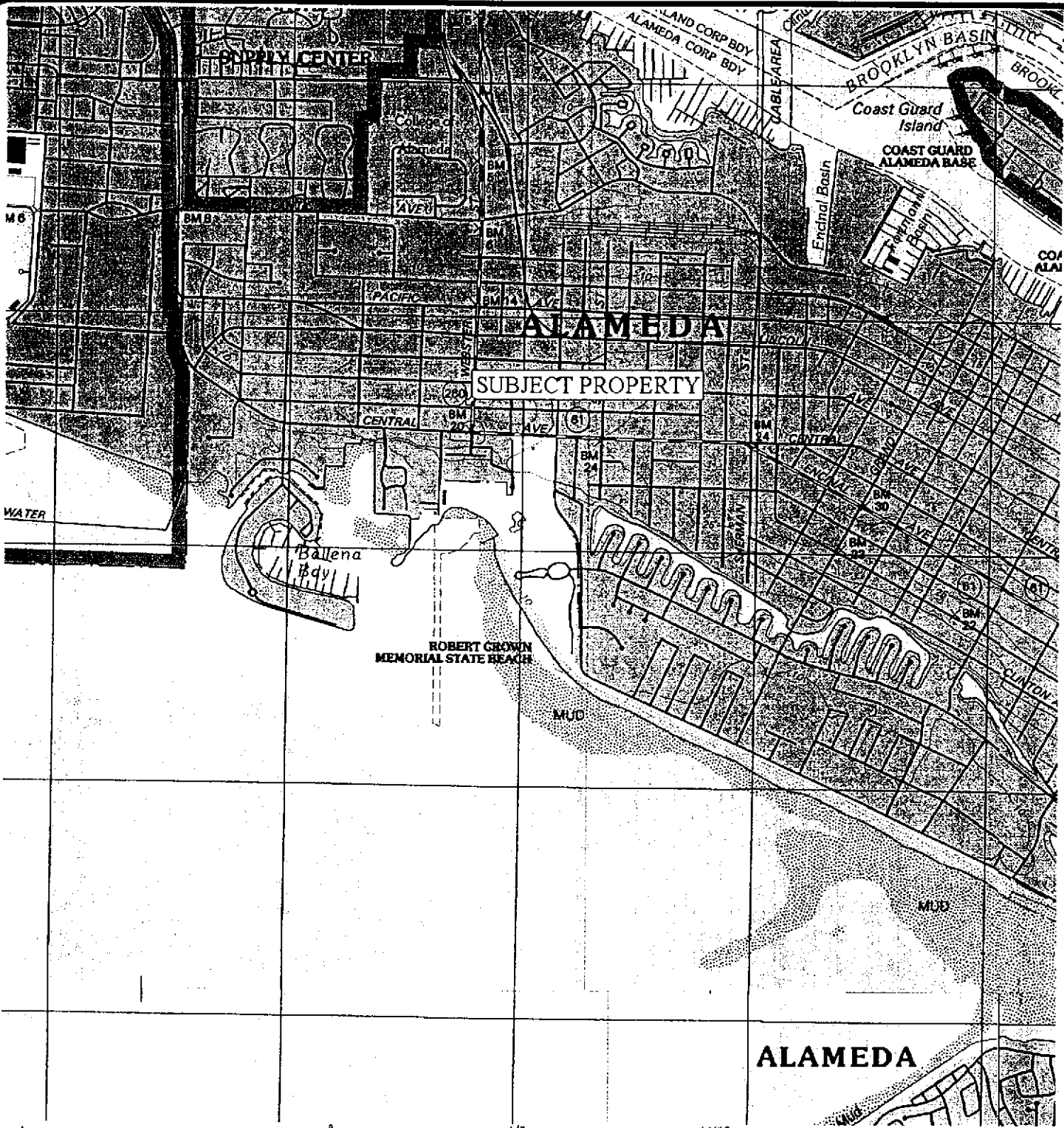
Matthew J. Gaffney
Project Geologist



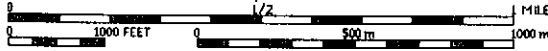
Reviewed by:
Sami Malaeb, P.E., R.E.A
Environmental Manager

cc: Mr. Dan Koch, Olympian, 260 Michelle Court, South San Francisco, CA 94080
Mr. David Harris, Esq., Trump, Alioto, Trump & Prescott, LLP, 2280 Union Street, San Francisco, CA 94123
Mr. Jeff Farrar, P.O. Box 1701, Chico, CA 95927





TN + MN
15%



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DATE
6/27/2000

PAGE
1 of 1

SCALE:
SHOWN ABOVE

LEGEND:



TEC ACCUTITE

35 SOUTH LINDEN AVENUE
SOUTH SAN FRANCISCO, CA 94080

1435location

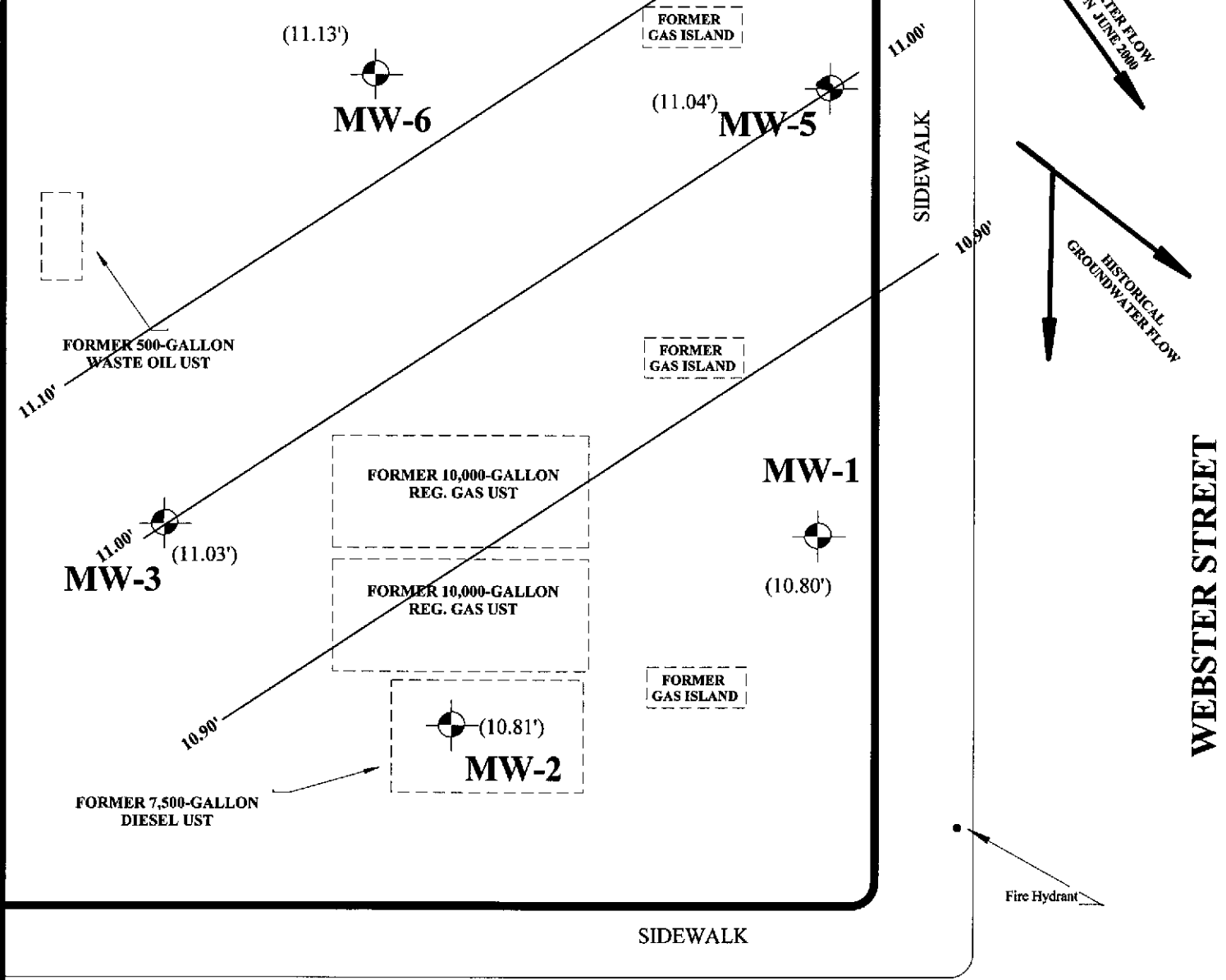
FIGURE 1

VICINITY MAP

SITE:

1435 WEBSTER STREET,
ALAMEDA, CA

**PUBLIC PARKING LOT
AND FORMER GAS STATION
1435 WEBSTER STREET
ALAMEDA, CALIFORNIA**



TAYLOR AVENUE (11.12')

REVISIONS	DATE 07/14/00	PAGE 1 of 1
 N A	LEGEND: MONITORING WELLS NUMBERS BETWEEN PARENTHESIS DENOTE ELEVATION OF GROUNDWATER	

**TEC
ACCUTITE**
35 SOUTH LINDEN AVENUE
SOUTH SAN FRANCISCO, CA 94080

FIGURE 2
GROUNDWATER FLOW DIRECTION
AND GRADIENT 2QMR00

1435 Webster Street
Alameda, California

KEY:
SCALE:
ONE INCH = 20 FEET
MW-1, MW-2, AND MW-3 WERE
INSTALLED IN JANUARY 1993
MW-4, MW-5, AND MW-6 WERE INSTALLED IN
DECEMBER 1999

APPENDIX A
MONITORING WELL SAMPLING LOGS



WATER SAMPLING FORM

CLIENT:
 ADDRESS: 1435 webster St. Alameda
 WELL # TESTED. MW 1

To convert water column height to total amount of gallons in one (1) well volume, multiply the water column height by A.

WELL DIAMETER	A
2"	0.17
3"	0.36
4"	0.65

TOTAL WELL DEPTH 22.77

DEPTH TO WATER 8.73

= WATER COLUMN HEIGHT $14.04 \times A = 2.38$

GAL (1 well volume)

Multiply one (1) well volume by three (3) to obtain the minimum # of gallons to be extracted before taking well sample(s)

$3 \times 2.38 = 7.16$ (3 well volume)

DATE:
 TIME:
 WATER LEVEL

TIME:	GALS PUMPED	TEMP	COND.	PH
1	22.5	29.2	29.2	7.72
2	21.3	13.4	13.4	7.22
3	20.8	2.0	2.0	7.01
4	20.5	5.1	5.1	6.99
5	20.4	2.2	2.2	6.90
6	20.3	3.0	3.0	6.96
7	20.2	8.8	8.8	6.93
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—

Time:
 Volume Pumped
 Sampler

Sheen or inches of free product
 Analyzed for:

WATER SAMPLING FORM

CLIENT:
 ADDRESS: 1435 Webster St. Alameda
 WELL # TESTED: MW 2

To convert water column height to total amount of gallons in one (1) well volume, multiply the water column height by A.

WELL DIAMETER	A
2"	0.17
3"	0.36
4"	0.65

TOTAL WELL DEPTH 19.60
 - DEPTH TO WATER 8.99
 = WATER COLUMN HEIGHT 10.61 x A = 1.80 GAL (1 well volume)

Multiply one (1) well volume by three (3) to obtain the minimum # of gallons to be extracted before taking well sample(s)

$3 \times 1.80 = 5.41$ (3 well volume)

DATE:
 TIME:
 WATER LEVEL

TIME:	GALS PUMPED	TEMP	COND.	PH
<u>1</u>	<u>20.9</u>	<u>8.8</u>	<u>6.99</u>	
<u>2</u>	<u>20.7</u>	<u>2.5</u>	<u>7.04</u>	
<u>3</u>	<u>20.4</u>	<u>4.0</u>	<u>7.07</u>	
<u>4</u>	<u>20.1</u>	<u>4.2</u>	<u>7.07</u>	
<u>5</u>	<u>20.0</u>	<u>4.6</u>	<u>7.08</u>	
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---

Time:
 Volume Pumped
 Sampler

Sheen or inches of free product
 Analyzed for:

WATER SAMPLING FORM

CLIENT:
 ADDRESS: 1435 Webster St. Alameda
 WELL # TESTED: MW 3

To convert water column height to total amount of gallons in one (1) well volume, multiply the water column height by A.

WELL DIAMETER	A
2"	0.17
3"	0.36
4"	0.65

TOTAL WELL DEPTH 21.96
 DEPTH TO WATER 8.76
 = WATER COLUMN HEIGHT 13.2 x A = 2.24 GAL (1 well volume)

Multiply one (1) well volume by three (3) to obtain the minimum # of gallons to be extracted before taking well sample(s)

$3 \times 2.24 = 6.73$ (3 well volume)

DATE:
 TIME:
 WATER LEVEL

TIME	GALS PUMPED	TEMP	COND.	PH
1		20.6	20.1	7.37
2		20.5	13.6	7.25
3		20.2	10.0	7.19
4		20.0	10.6	7.17
5		20.0	11.1	7.19
6		20.2	9.9	7.88
—		—	—	—
—		—	—	—
—		—	—	—
—		—	—	—

Time:
 Volume Pumped
 Sampler

Sheen or inches of free product
 Analyzed for:

WATER SAMPLING FORM

CLIENT:

ADDRESS: 1435 Webster St. Alameda

WELL # TESTED. MW-4

To convert water column height to total amount of gallons in one (1) well volume, multiply the water column height by A.

WELL DIAMETER	A
2"	0.17
3"	0.36
4"	0.65

TOTAL WELL DEPTH 17.43

DEPTH TO WATER 8.18

= WATER COLUMN HEIGHT $9.25 \times A = 1.57$ GAL (1 well volume)

Multiply one (1) well volume by three (3) to obtain the minimum # of gallons to be extracted before taking well sample(s)

$3 \times 1.57 = 4.71$ (3 well volume)

DATE:

TIME:

WATER LEVEL

TIME:	GALS PUMPED	TEMP	COND.	PH
	1	19.8	2.6	7.04
	2	19.2	1.7	7.00
	3	18.8	0.9	7.03
	4	18.5		7.01

Time:
Volume Pumped
Sampler

Sheen or inches of free product
Analyzed for:

WATER SAMPLING FORM

CLIENT: 1435
 ADDRESS: Webster St. Alameda
 WELL # TESTED: MW 5

To convert water column height to total amount of gallons in one (1) well volume, multiply the water column height by A.

WELL DIAMETER	A
2"	0.17
3"	0.36
4"	0.65

TOTAL WELL DEPTH 18.33

DEPTH TO WATER 7.95

= WATER COLUMN HEIGHT 10.38 x A = 1.76

GAL (1 well volume)

Multiply one (1) well volume by three (3) to obtain the minimum # of gallons to be extracted before taking well sample(s)

3 x 1.76 = 5.29 (3 well volume)

DATE:

TIME:

WATER LEVEL

TIME:	GALS PUMPED	TEMP	COND.	PH
1		20.7	11.5	6.63
2		20.5	19.3	6.67
3		20.5	5.8	6.88
4		20.6	5.0	6.93
5		20.3	3.6	6.94
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—

Time:
 Volume Pumped
 Sampler

Sheen or inches of free product
 Analyzed for:

WATER SAMPLING FORM

CLIENT:

ADDRESS: 1435 Webster St. Alameda

WELL # TESTED: MW-6

To convert water column height to total amount of gallons in one (1) well volume, multiply the water column height by A.

WELL DIAMETER	A
2"	0.17
3"	0.36
4"	0.65

TOTAL WELL DEPTH 19.32

DEPTH TO WATER 9.14

= WATER COLUMN HEIGHT 10.18 x A = 1.73

GAL (1 well volume)

Multiply one (1) well volume by three (3) to obtain the minimum # of gallons to be extracted before taking well sample(s)

3 x 1.73 = 5.19 (3 well volume)

DATE:

TIME:

WATER LEVEL

TIME:	GALS PUMPED	TEMP	COND.	PH
1		21.1	5.3	6.92
2		21.2	8.3	6.86
3		21.1	8.2	6.85
4		20.6	7.2	6.84
5		21.9	11.3	6.60
—		—	—	—
—		—	—	—
—		—	—	—
—		—	—	—
—		—	—	—
—		—	—	—

Time:
Volume Pumped
Sampler

Sheen or inches of free product
Analyzed for:

APPENDIX B
LABORATORY RESULTS





North State Environmental Laboratory

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

CA ELAP#1753

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 00-0830
Client: Technology Eng. Const.
Project: #4107, 1435 WEBSTER ST., ALAMEDA

Date Reported: 06/27/2000

Diesel Range Hydrocarbons by Method 8015M
Gasoline, BTEX and MTBE by Methods 8015M and 8020

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 00-0830-01		Client ID: MW-1		06/13/2000	WATER
Gasoline	8015M	17000	ug/L		06/20/2000
Benzene	8020	5300	ug/L		
Ethylbenzene	8020	720	ug/L		
MTBE	8020	*7000	ug/L		
Toluene	8020	260	ug/L		
Xylenes	8020	790	ug/L		
Diesel	8015M	**2.8	mg/L		06/20/2000
Sample: 00-0830-02		Client ID: MW-2		06/13/2000	WATER
Gasoline	8015M	68	ug/L		06/20/2000
Benzene	8020	0.8	ug/L		
Ethylbenzene	8020	ND			
MTBE	8020	38	ug/L		
Toluene	8020	ND			
Xylenes	8020	ND			
Diesel	8015M	ND			06/20/2000
Sample: 00-0830-03		Client ID: MW-3		06/13/2000	WATER
Gasoline	8015M	490	ug/L		06/20/2000
Benzene	8020	0.8	ug/L		
Ethylbenzene	8020	ND			
MTBE	8020	2	ug/L		
Toluene	8020	ND			

*Confirmed by GC/MS method 8260. **Does not match diesel.



North State Environmental Laboratory

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

CA ELAP# 1753

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 00-0830
Client: Technology Eng. Const.
Project: #4107, 1435 WEBSTER ST., ALAMEDA

Date Reported: 06/27/2000

Diesel Range Hydrocarbons by Method 8015M
Gasoline, BTEX and MTBE by Methods 8015M and 8020

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 00-0830-03 Client ID: MW-3				06/13/2000	WATER
Xylenes	8020	9	ug/L		
Diesel	8015M	ND			06/20/2000
Sample: 00-0830-04 Client ID: MW-4				06/13/2000	WATER
Gasoline	8015M	56	ug/L		06/20/2000
Benzene	8020	ND			
Ethylbenzene	8020	ND			
MTBE	8020	1	ug/L		
Toluene	8020	ND			
Xylenes	8020	ND			
Diesel	8015M	ND			06/20/2000
Sample: 00-0830-05 Client ID: MW-5				06/13/2000	WATER
Gasoline	8015M	6500	ug/L		06/20/2000
Benzene	8020	2200	ug/L		
Ethylbenzene	8020	360	ug/L		
MTBE	8020	480	ug/L		
Toluene	8020	360	ug/L		
Xylenes	8020	730	ug/L		
Diesel	8015M	**1.1	mg/L		06/20/2000

*Confirmed by GC/MS method 8260. **Does not match diesel.



North State Environmental Laboratory

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

CA ELAP# 1753

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 00-0830
Client: Technology Eng. Const.
Project: #4107, 1435 WEBSTER ST., ALAMEDA

Date Reported: 06/27/2000

Diesel Range Hydrocarbons by Method 8015M
Gasoline, BTEX and MTBE by Methods 8015M and 8020

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 00-0830-06		Client ID: MW-6		06/13/2000	WATER
Gasoline	8015M	75	ug/L		06/20/2000
Benzene	8020	0.7	ug/L		
Ethylbenzene	8020	0.9	ug/L		
MTBE	8020	0.6	ug/L		
Toluene	8020	1	ug/L		
Xylenes	8020	2	ug/L		
Diesel	8015M	ND			06/20/2000

*Confirmed by GC/MS method 8260.**Does not match diesel.



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CA ELAP# 1753

C E R T I F I C A T E O F A N A L Y S I S

Quality Control/Quality Assurance

Lab Number: 00-0830
Client: Technology Eng. Const.
Project: #4107, 1435 WEBSTER ST., ALAMEDA

Date Reported: 06/27/2000

Diesel Range Hydrocarbons by Method 8015M
Gasoline, BTEX and MTBE by Methods 8015M and 8020

Analyte	Method	Reporting Limit	Unit	Blank	Avg MS/MSD Recovery	RPD
Gasoline	8015M	50	ug/L	ND	123	1
Benzene	8020	0.5	ug/L	ND	106	2
Ethylbenzene	8020	0.5	ug/L	ND	102	2
Toluene	8020	0.5	ug/L	ND	109	2
Xylenes	8020	1.0	ug/L	ND	103	1
MTBE	8020	0.5	ug/L	ND	122	2
Diesel	8015M	0.05	mg/L	ND	86	1

ELAP Certificate NO:1753

Reviewed and Approved

John A. Murphy, Laboratory Director

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Chain of Custody Accutite Environmental Engineering

00-0830

Client Accutite Environmental Engineering					Report To <u>Matt J. Gaffney</u>				Turnaround				
Address 35 South Linden Avenue South San Francisco, CA 94080					Bill To: Accutite				ASAP		1 Day	2 Day	3 Day
Phone 650-952-5551					Billing Reference# <u>4107</u>				1 Week	2 Week	Others		
Project Name/Address <u>1435 Webster St. Alameda</u>					Analysis Required								
Sampler			Date:		TPHd	TPHG	BTEX	MTBE					Remarks
Sample ID	Sample Matrix	#of Containers	Container Type	Sample Date/Time									
MW-1	Water	4	3-VOLS 1-1-LITER	8-13	X	X	X	X					Confirm Highest MTBE w/ EPA 8260
MW-2					X	X	X	X					
MW-3					X	X	X	X					
MW-4					X	X	X	X					
MW-5					X	X	X	X					
MW-6					X	X	X	X					
Relinquished by: <u>Matt J. Gaffney</u>					Date	Time	Received by: <u>[Signature]</u>		Date	Time			
					<u>4/14/00</u>	<u>9:30</u>			<u>6/14/00</u>	<u>0930</u>			
Relinquished by:					Date	Time	Received by:		Date	Time			
Relinquished by:					Date	Time	Received by:		Date	Time			