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HerSchy Environmental, Inc.

September 27, 2004
Project A51-01

Mr. Barney Chan
Alameda County
Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Ste. 250
Alameda, CA 94502-6577

Re: Results of September, 2004 Quarterly Groundwater Monitoring, Alaska Gasoline Company, Oakland, California, Case #RO0000127

Dear Mr. Chan:

HerSchy Environmental is pleased to present the results of the most recent quarterly groundwater monitoring event for the above-referenced site. The site is located at 6211 San Pablo Avenue, which is on the northwest corner of San Pablo Avenue and 62nd Street in Oakland, Alameda County, California (Figure 1). Previous work includes the drilling, sampling, and laboratory analysis of soil and groundwater. Details of this investigation are contained in the April 22, 1999 report titled, *"Results of Underground Storage Tank (UST) Site Assessment, Alaska Gasoline Company, Oakland, California"*, prepared by HerSchy Environmental.

METHODS OF INVESTIGATION

Groundwater Sampling Procedures:

The depth to groundwater in each well was measured to the nearest 0.01 feet using an electric sounder prior to initiating groundwater sampling activities. The groundwater elevation was determined for each well by subtracting the depth to groundwater from the surveyed well elevation. The depth to groundwater, total depth of the well, and the well diameter were used to calculate the volume of groundwater within the well casing. At least three casing volumes were purged from each well prior to collecting a groundwater sample using a Waterra electric pump and dedicated hoses. Physical characteristics (temperature, electrical conductivity, and pH), were measured at the initiation of purging and then again just prior to collection of the groundwater sample. These characteristics were recorded on field sampling data sheets which are presented in Appendix A. One sample from each well was collected and contained in three 40-milliliter vials. Each of the sample containers were filled

P.O. Box 229 ◆ Bass Lake, CA 93604-0229 ◆ Phone: 559 • 641-7320 ◆ Fax: 559 • 641-7340

completely to form a positive meniscus, capped, and checked to ensure no air bubbles were present.

Samples were sealed in a ziplock bag and placed in a cooler chest with frozen gel packs ("blue ice") immediately after sampling. Samples were maintained at or below four degrees Celsius until delivered to the laboratory. Groundwater samples were handled under chain-of-custody documentation until delivered to a California certified laboratory.

Laboratory Analysis:

Groundwater samples were analyzed for gasoline-range total petroleum hydrocarbons (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE). Samples were analyzed using EPA method 8020 for BTEX and MTBE. Groundwater samples were also analyzed for the fuel oxygenates and additives MTBE, di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butanol (TBA), 1,2-dichloroethane (1,2-DCA) and ethylene dibromide (EDB) using EPA method 8260.

RESULTS OF INVESTIGATION

Groundwater Conditions:

Because wells MW-4 and EX-1 contained floating product, no samples were collected from these wells, and groundwater data from these wells was not used in determining the groundwater flow direction or gradient. Groundwater was present beneath the site at an average depth of 8.07 feet below the surveyed well elevations during the September, 2004 monitoring event. Based upon a new survey performed on July 8, 2004, the elevation of groundwater averaged 27.80 feet above mean sea level. Groundwater flow direction was South 55 degrees West at a gradient of .0075 during the September, 2004 monitoring event. Groundwater conditions are summarized in Table 1 and presented graphically in Figure 2.

Table 1
Groundwater Conditions, Alaska Gasoline, Oakland

Well Number	Elevation	Depth to GW	GW Elevation
November 17, 2001			
MW-1	34.70	8.09	26.61
MW-2	34.94	7.75	27.19
MW-3	33.74	7.18	26.56
MW-4	32.38	5.75	26.63
MW-5	33.75	6.22	27.53
MW-6	34.68	7.19	27.49

Flow Direction = S. 50 W.; Gradient = .0091

Table 1
(Continued)

Well Number	Elevation	Depth to GW	GW Elevation
March 31, 2002			
MW-1	34.70	7.18	27.52
MW-2	34.94	6.68	28.26
MW-3	33.74	6.27	27.47
MW-4	32.38	5.40	26.98
MW-5	33.75	6.35	27.40
MW-6	34.68	6.58	28.10
Flow Direction = S. 26 W.; Gradient = .0108			
September 9, 2003			
MW-1	34.70	8.54	26.16
MW-2	34.94	8.26	26.68
MW-3	33.74	7.52	26.22
MW-4	32.38	0.51'free product	-----
MW-5	33.75	7.08	26.67
MW-6	34.68	8.21	26.47
Flow Direction = S. 50 W; Gradient = .0031			
December 9, 2003			
MW-1	34.70	7.50	27.20
MW-2	34.94	7.20	27.74
MW-3	33.74	6.45	27.29
MW-4	32.38	0.25'free product	------
MW-5	33.75	6.13	27.62
MW-6	34.68	7.11	27.57
Flow Direction = S. 56 W; Gradient = .0075			
February 19-20, 2004			
MW-1R	Not Surveyed	5.45	-----
MW-2	34.94	5.81	29.13
MW-3	33.74	5.56	28.18
MW-4	32.38	0.25'free product	------
MW-5	33.75	5.11	28.64
MW-6	34.68	5.61	29.07
EX-1	Not Surveyed	3.96	------
Flow Direction = S. 42 W; Gradient = .0154			

Table 1
(Continued)

Well Number	Elevation	Depth to GW	GW Elevation
May 24-25, 2004			
MW-1R	Not Surveyed	8.58	-----
MW-2	34.94	7.79	27.15
MW-3	33.74	6.99	26.75
MW-4	32.38	0.33'free product	------
MW-5	33.75	6.57	27.18
MW-6	34.68	Not Available	Not Available
EX-1	Not Surveyed	0.76' free product	------
Flow Direction = S. 71 W; Gradient = .0081			
September 3, 2004*			
MW-1R	36.67	9.15	27.52
MW-2	36.33	8.43	27.90
MW-3	35.12	7.53	27.59
MW-4	34.11	0.7'free product	------
MW-5	35.17	7.01	28.16
MW-6	36.07	8.25	27.82
EX-1	33.28	1.2' free product	------
Flow Direction = S. 55 W.; Gradient = .0075			

Elevations in feet
* new survey (7/8/04)

Based on the data gathered from MW-1R, MW-2, MW-3, and MW-5, the groundwater flow direction is toward San Francisco Bay, located approximately 0.75 miles southwest of the site. Regional groundwater flow appears to parallel the surface grade in the area.

Groundwater Quality:

Groundwater samples were submitted to the laboratory and analyzed for the above-mentioned fuel constituents. Certified analytical reports and chain-of-custody documentation are presented in Appendix B and summarized in Table 2 below:

Table 2
Laboratory Analytical Results for Groundwater, Alaska Gasoline, Oakland

Well No.	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
November 17, 2001						
MW-1	10,000	230	210	60	250	22,000
MW-2	18,000	3,700	180	610	640	16,000
MW-3	110,000	1,600	ND	ND	ND	300,000
MW-4	64,000	960	1,400	360	1,600	140,000
MW-5	210	15	12	11	23	4.8
MW-6	3,500	160	260	95	420	1,500

Table 2
(Continued)

Well No.	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
March 31, 2002						
MW-1	12,000	61	ND	ND	29	35,000
MW-2	32,000	6,500	270	1,700	2,700	19,000
MW-3	130,000	2,400	670	300	390	300,000
MW-4	78,000	4,400	4,700	690	2,700	150,000
MW-5	120	11	7.4	6.1	16	4.2
MW-6	3,200	410	170	82	280	3,000
September 9, 2003						
MW-1	19,000	ND	ND	ND	ND	50,000
MW-2	24,000	4,600	ND	1200	440	19,000
MW-3	190,000	1,600	ND	ND	ND	420,000
MW-4	NA	NA	NA	NA	NA	NA
MW-5	ND	1.5	ND	ND	ND	1.7
MW-6	800	49	ND	7.4	ND	1,700
December 9, 2003						
MW-1	22,000	150	ND	ND	ND	66,000
MW-2	31,000	6,200	170	1,600	2,700	19,000
MW-3	170,000	2,000	ND	ND	ND	4,500,000
MW-4	NA	NA	NA	NA	NA	NA
MW-5	130	32	ND	2.6	0.57	5.0
MW-6	970	150	9.9	31	83	1,200
February 19-20, 2004						
MW-1R	1,800	95	130	44	200	220
MW-2	21,000	4,600	120	970	2,000	15,000
MW-3	86,000	1,800	630	ND	ND	160,000
MW-4	NA	NA	NA	NA	NA	NA
MW-5	ND	ND	ND	ND	ND	1.5
MW-6	1,900	280	58	17	160	2,700
EX-1	120,000	9,500	4,300	840	3,900	150,000
May 24-25, 2004						
MW-1R	210	12	10	5.4	23	79
MW-2	1,200	120	3.0	63	67	1,900
MW-3	120,000	2,200	ND	180	220	400,000
MW-4	NA	NA	NA	NA	NA	NA
MW-5	ND	ND	ND	ND	ND	0.55
MW-6	NA	NA	NA	NA	NA	NA
EX-1	NA	NA	NA	NA	NA	NA

Table 2
(Continued)

Well No.	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
September 3, 2004						
MW-1R	300	1.5	7.1	9.4	42	81
MW-2	2,300	120	ND	51	70	1,700
MW-3	180,000	2,000	ND	ND	ND	510,000
MW-4	NA	NA	NA	NA	NA	NA
MW-5	100	6.4	ND	ND	0.79	4.2
MW-6	1,100	27	ND	14	27	2,200
EX-1	NA	NA	NA	NA	NA	NA

All results presented in parts per billion (ppb)
MTBE results by EPA method 8260
NA= no analysis
ND= below detectable limits

As requested by your office, groundwater samples were also analyzed for the fuel oxegynates and additives MTBE, di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butanol (TBA), 1,2-dichloroethane (1,2-DCA), ethylene dibromide (EDB), methanol, and ethanol. Laboratory analytical results are presented in Appendix B and summarized in Table 3 below:

Table 3
Laboratory Analytical Results for Groundwater, Alaska Gasoline, Oakland

Sample	TAME	TBA	Methanol	Ethanol
May 24-25, 2004				
MW-1R	2.1	37	ND	ND
MW-2	ND	ND	ND	ND
MW-3	15,000	ND	ND	ND
MW-5	ND	ND	ND	ND
September 3, 2004				
MW-1R	1.6	ND	NA	NA
MW-2	26	ND	NA	NA
MW-3	14,000	ND	NA	NA
MW-5	ND	ND	NA	NA
MW-6	85	ND	NA	NA

All results in parts per billion (ppb)
ND = below detectable concentrations
NA = no analysis

There was no EDB, 1,2-DCA, DIPE, ETBE, or TBA detected in the groundwater samples during the September, 2004 monitoring event. Ethanol and methanol were not detected in any of the groundwater samples during the May, 2004 monitoring event and are no longer being analyzed.

All of the on-site monitoring wells sampled during the September, 2004 event are impacted with gasoline constituents. No samples were collected from MW-4 and EX-1 due to the presence of floating product. Other than MW-4 and EX-1, concentrations are highest in the down gradient well MW-3. Concentrations are significantly lower in MW-5 than any of the other wells, reflecting its distance from, and up gradient location relative to, the USTs.

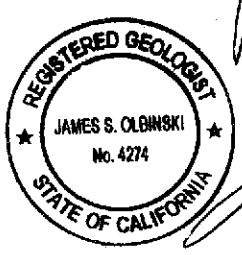
CONCLUSIONS AND RECOMMENDATIONS

A remedial action plan (RAP) was sent to your office on September 17, 2004. Implementation of the RAP will begin upon approval. Quarterly groundwater monitoring will continue at the site. Efforts are being made to install up to two groundwater monitoring wells off site to delineate the gasoline product plume. A work plan for the installation of off site monitoring wells was submitted and subsequently approved in correspondence from your office. The next quarterly monitoring event is currently scheduled for December, 2004.

If you have any questions or need additional information, please contact me at the letterhead address or at (559) 641-7320.

With best regards,
HerSchy Environmental, Inc.

Joshua Teves
Geologist



James S. Olbinski
Registered Geologist #4274

pc: Mr. Pritpaul Sappal
Mr. Syed Nawab, Alaska Gasoline Company
Mr. Hernan Gomez, Oakland Fire Services Agency
Mrs. Susan M. Torrence, Deputy District Attorney

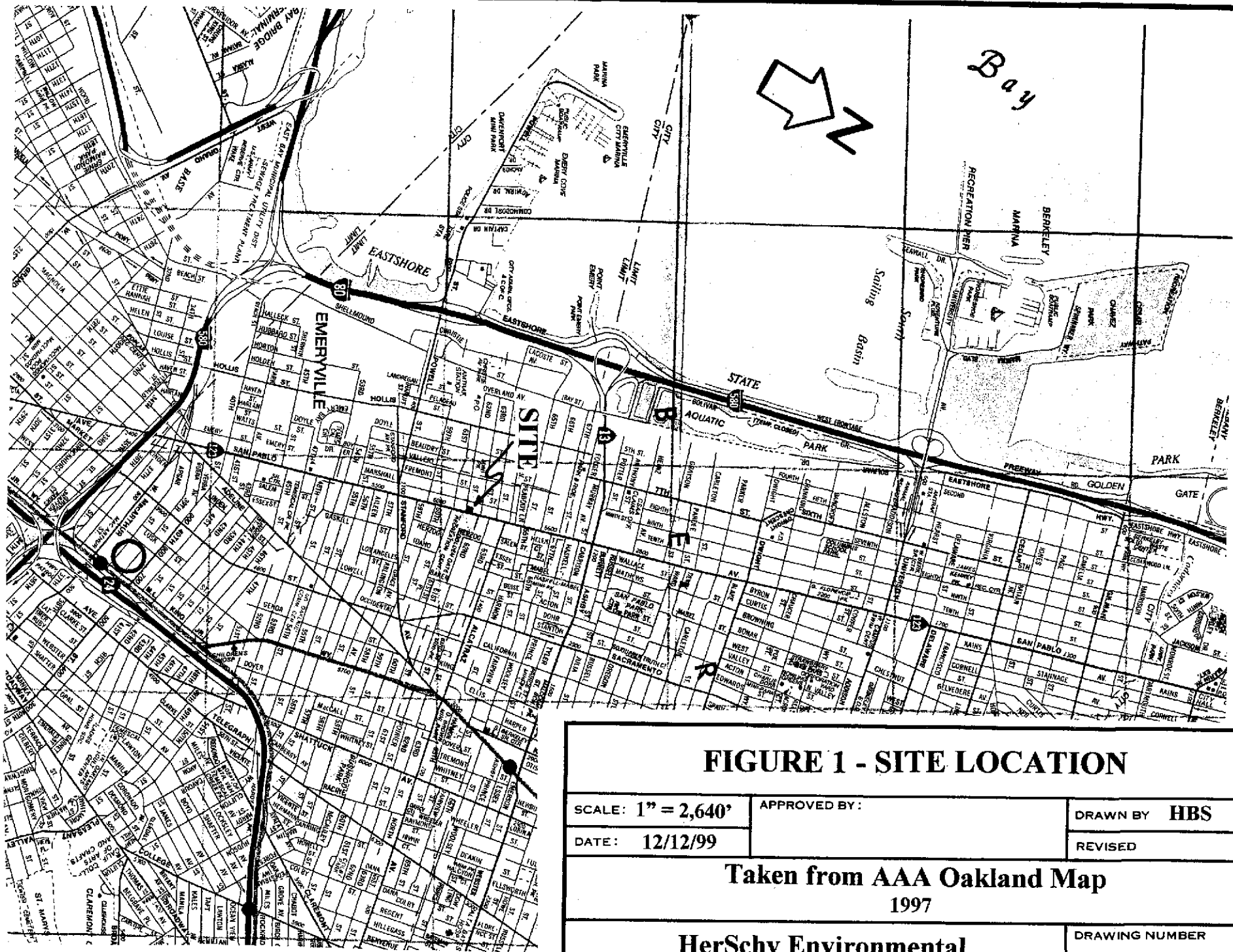


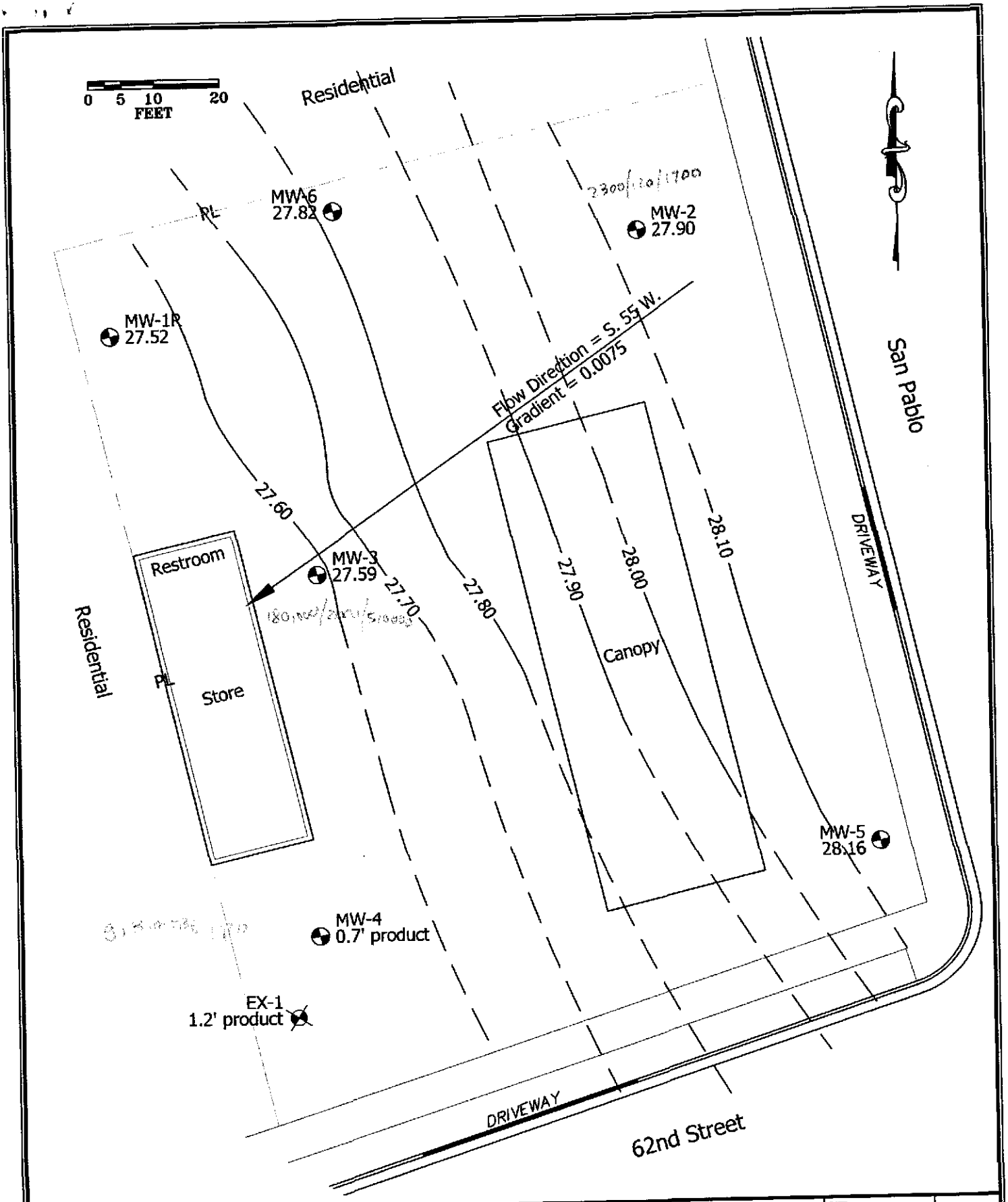
FIGURE 1 - SITE LOCATION

SCALE: 1" = 2,640'	APPROVED BY:	DRAWN BY HBS
DATE: 12/12/99		REVISED

Taken from AAA Oakland Map
1997

HerSchy Environmental

DRAWING NUMBER



HerSchy Environmental, Inc.
Environmental Consulting and Remediation
P. O. Box 229
Bass Lake, California 93604-0229
Tel. (559) 641-7320, Fax (559) 641-7340

Sept., 2004 GROUNDWATER CONDITIONS

ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	Sept. 2004
FILE NO.:	A51-01
DRAWN BY:	JSO

FIGURE 2

APPENDIX A

GROUNDWATER SAMPLING

FIELD DATA SHEETS

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: Alaska Gas Location: Oakland

Purged By: Oscar Sampled by: Oscar

Sample ID: MW-1R Type: Groundwater X Surface Water ____ Other ____

Casing Diameter (inches): 2 X 3 ____ 4 ____ 5 ____ 6 ____ Other ____

Casing Elevation (feet/MSL): ____ Volume in Casing (gal.): 2.3

Depth of Well (feet): 23.4 Calculate Purge Volume (gal.): 6.9

Depth to Water (feet): 9.15 Actual Purge Volume (gal.): 8.0

Date Purged: 9-3-04 Date Sampled: 9-3-04

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
7:15	—	5.68	477	62.6	Murky
7:30	8 gal	5.73	432	65.3	Murky

Other Observations: none Odor: Petroleum

Purging Equipment: Waterra

Sampling Equipment: "

Remarks: ____

Sampler's Signature: [signature]

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: Alaska Gas Location: Oakland

Purged By: Oscar Sampled by: Oscar

Sample ID: MW-2 Type: Groundwater X Surface Water ____ Other ____

Casing Diameter (inches): 2 X 3 ____ 4 ____ 5 ____ 6 ____ Other ____

Casing Elevation (feet/MSL): ____ Volume in Casing (gal.): 2.0

Depth of Well (feet): 20.9 Calculate Purge Volume (gal.): 6.1

Depth to Water (feet): 8.43 Actual Purge Volume (gal.): 7.0

Date Purged: 9-3-04 Date Sampled: 9-3-04

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
8:41	—	5.78	480	68.6	Grey
8:54	7 gal	5.80	466	67.9	Grey

Other Observations: none Odor: Petroleum

Purging Equipment: Waterra

Sampling Equipment: 4

Remarks: ____

Sampler's Signature: [signature]

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: Alaska Gas Location: Oakland

Purged By: Oscar Sampled by: Oscar

Sample ID: MW-3 Type: Groundwater X Surface Water ____ Other ____

Casing Diameter (inches): 2 X 3 ____ 4 ____ 5 ____ 6 ____ Other ____

Casing Elevation (feet/MSL): ____ Volume in Casing (gal.): 2.2

Depth of Well (feet): 21.2 Calculate Purge Volume (gal.): 6.6

Depth to Water (feet): 7.53 Actual Purge Volume (gal.): 7.0

Date Purged: 9-3-04 Date Sampled: 9-3-04

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
8:10	—	5.54	714	67.0	Grey
8:25	7 gal	5.51	717	68.1	Grey

Other Observations: none Odor: Petroleum

Purging Equipment: waterra

Sampling Equipment: 4

Remarks: ____

Sampler's Signature: [signature]

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: Alaska Gas Location: Oakland

Purged By: _____ Sampled by: _____

Sample ID: MW-4 Type: Groundwater X Surface Water _____ Other _____

Casing Diameter (inches): 2 X 3 _____ 4 _____ 5 _____ 6 _____ Other _____

Casing Elevation (feet/MSL): _____ Volume in Casing (gal.): _____

Depth of Well (feet): _____ Calculate Purge Volume (gal.): _____

Depth to Water (feet): _____ Actual Purge Volume (gal.): _____

Date Purged: _____ Date Sampled: _____

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY

Other Observations: _____ Odor: _____

Purging Equipment: _____

Sampling Equipment: _____

Remarks: Floating Product 7 inches
well cover for well need to be replace

9-3-04

Sampler's Signature: _____

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: Alaska Gas Location: Oakland

Purged By: Oscar Sampled by: Oscar

Sample ID: MW-5 Type: Groundwater X Surface Water ____ Other ____

Casing Diameter (inches): 2 X 3 ____ 4 ____ 5 ____ 6 ____ Other ____

Casing Elevation (feet/MSL): ____ Volume in Casing (gal.): 2.7

Depth of Well (feet): 24.9 Calculate Purge Volume (gal.): 8.7

Depth to Water (feet): 7.01 Actual Purge Volume (gal.): 10.0

Date Purged: 9-3-04 Date Sampled: 9-3-04

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
9:12	—	5.70	550	70.6	Brown
9:41	10 gal	5.70	522	69.1	Clear

Other Observations: none Odor: Petroleum

Purging Equipment: Waterra

Sampling Equipment: "

Remarks: ____

Sampler's Signature: [signature]

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: Alaska Gas Location: Oakland

Purged By: Oscar Sampled by: Oscar

Sample ID: MW-6 Type: Groundwater X Surface Water ____ Other ____

Casing Diameter (inches): 2 X 3 ____ 4 ____ 5 ____ 6 ____ Other ____

Casing Elevation (feet/MSL): ____ Volume in Casing (gal.): 2.4

Depth of Well (feet): 23.10 Calculate Purge Volume (gal.): 7.3

Depth to Water (feet): 8.25 Actual Purge Volume (gal.): 8.0

Date Purged: 9-3-04 Date Sampled: 9-3-04

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
7:45	—	5.76	467	64.7	Grey
7:56	8 gal	5.80	448	66.3	Grey

Other Observations: none Odor: Petroleum

Purging Equipment: Waterra

Sampling Equipment: "

Remarks: ____

Sampler's Signature: [signature]

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: Alaska Gas Location: Oakland

Purged By: G Sampled by: _____

Sample ID: EX-1 Type: Groundwater X Surface Water _____ Other _____

Casing Diameter (inches): 2 _____ 3 _____ 4 X 5 _____ 6 _____ Other _____

Casing Elevation (feet/MSL): _____ Volume in Casing (gal.): _____

Depth of Well (feet): _____ Calculate Purge Volume (gal.): _____

Depth to Water (feet): _____ Actual Purge Volume (gal.): _____

Date Purged: _____ Date Sampled: _____

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY

Other Observations: _____ Odor: _____

Purging Equipment: _____

Sampling Equipment: _____

Remarks: Floating Product 14 Inches

9-3-04

Sampler's Signature: _____

/Water Sample Sheet.wpd

APPENDIX B

CERTIFIED ANALYTICAL RESULTS--GROUNDWATER

WITH CHAIN OF CUSTODY

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

HerSchy Environmental	Client Project ID: Alaska Gasoline - Oakland	Sampled: 09-03-04
P.O. Box 229	Reference Number: 7332	Received: 09-03-04
Bass Lake, CA 93604	Sample Description: Water	Extracted: 09-08-04
Attn: Joshua Teves	Sample Prep/Analysis Method: EPA 5030/8015M, 8020	Analyzed: 09-08-04
	Lab Numbers: 7332-1W, 2W, 3W, 4W, 5W	Reported: 09-20-04

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT µg/L	SAMPLE ID MW-1R (µg/L)	SAMPLE ID MW-2 (µg/L)	SAMPLE ID MW-3 (µg/L)	SAMPLE ID MW-5 (µg/L)	SAMPLE ID MW-6 (µg/L)
MTBE	0.50	62	1200	410000	3.7	2000
BENZENE	0.50	1.5	120	2000	6.4	27
TOLUENE	0.50	7.1	ND	ND	ND	ND
ETHYLBENZENE	0.50	9.4	51	ND	ND	14
TOTAL XYLENES	0.50	42	70	ND	0.79	27
GASOLINE RANGE HYDROCARBONS	50	300	2300	180000	100	1100
Report Limit Multiplication Factor:		2	20	250	1	5
Report Limit Multiplication Factor for MTBE only:				10000		100

Surrogate % Recovery:	FID: 94.3% / PID: 93.3%	FID: 95.8% / PID: 91.6%	FID: 83.4% / PID: 86.5%	FID: 104% / PID: 102%	FID: 85.7% / PID: 93.4%
Instrument ID:	VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

ANALYST: *Clari J. Cone*

APPROVED BY: *James C. Phillips*
Laboratory Director

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

HerSchy Environmental	Client Project ID: Alaska Gasoline - Oakland	Sampled: 09-03-04
P.O. Box 229	Reference Number: 7332	Received: 09-03-04
Bass Lake, CA 93604	Sample Description: Water	Extracted: 09-10-04
Attn: Joshua Teves	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 09-10-04
	Lab Numbers: 7332-1W, 2W, 3W, 4W, 5W	Reported: 09-20-04

GASOLINE ADDITIVES BY EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT (µg/L)	SAMPLE ID MW-1R (µg/L)	SAMPLE ID MW-2 (µg/L)	SAMPLE ID MW-3 (µg/L)	SAMPLE ID MW-5 (µg/L)	SAMPLE ID MW-6 (µg/L)
FUEL OXYGENATES						
Methyl tert-Butyl Ether (MTBE)	0.50	81	1700	510000	4.2	2200
Di-Isopropyl Ether (DIPE)	0.50	ND	ND	ND	ND	ND
Ethyl tert-Butyl Ether (ETBE)	0.50	ND	ND	ND	ND	ND
tert-Amyl Methyl Ether (TAME)	0.50	1.6	26	14000	ND	85
tert-Butanol (TBA)	20	ND	ND	ND	ND	ND
VOLATILE HALOCARBONS						
1,2-Dichloroethane (1,2-DCA)	0.50	ND	ND	ND	ND	ND
Ethylene Dibromide (EDB)	0.50	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		2*	10*	2000*	1	10*
Report Limit Multiplication Factor for MTBE:			100	10000		100

** Report limit raised due to matrix interference*

Surrogate Recoveries					
1,2-Dichloroethane-d4	103%	97.1%	101%	104%	102%
Toluene-d8	108%	108%	109%	111%	108%

Instrument ID: HP 5972 MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor
(µg/L) = micrograms per liter or parts per billion (ppb)

ANALYST: _____ *Clari J. Cone*

APPROVED BY: _____ *James C. Phillips, Laboratory Director*

CASTLE ANALYTICAL LABORATORY

CHAIN OF CUSTODY

Location: 2333 Shuttle Drive, Bldg 908/909, Atwater, CA 95301
Mailing Address: 2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930 - Fax: (209) 384-1507

Certificate No. 2480

PAGE_____OF_____

Customer: Alaska Gas
Address:
City/State/ZIP: Oakland
Phone / FAX:
Proj # / P.O. #:
Report Attention: Joshua Trues
Sampler Signature:
Printed: Oscar

Lab ID#	SAMPLE ID	DATE	TIME	DESCRIPTION/LOCATION	SAMPLE TYPE (g) grab (c) composite (d) discrete	SAMPLE MATRIX (s) solid (l) liquid (o) other	BTEX/TPH-GAS	MTBE	TPH-DIESEL	TRPH 418.1M	Oxy's / EDB / DCA by 8260	8260					Electronic Deliverables (EDF)	NUMBER OF CONTAINERS	OBSERVATIONS/REMARKS
	MW-1R	9-3-04	7:35		g	l	Y	Y			X							3	
	MW-2	9-3-04	9:00															3	
	MW-3	9-3-04	8:35															3	
	MW-5	9-3-04	9:45															3	
	MW-6	9-3-04	8:00															3	

Method of Shipment:

Notes:

OBSERVATIONS/REMARKS

Total number of containers submitted to the laboratory

	Signature	Printed Name	Date	Time	Company Name
Relinquished by:		Oscar Dalton	9-3-04	1500	Horsley Environmental
Received by:					
Relinquished by:					
Received by:					
Relinquished by:					
Received by:					

Note: All special requests (e.g. quick turn times) must be cleared through authorized laboratory personnel .

RESULTS DUE :_____

☐ VERBAL ☐ WRITTEN