September 15, 2006

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

RE: Third Quarter 2006 Groundwater Monitoring Report
Alaska Gas
6211 San Pablo Avenue
Oakland, California

Dear Mr. Chan:

Attached for your review and comment is the September 5, 2006 "*Results of the August 2006 Quarterly Groundwater Monitoring Event, Alaska Gasoline Company, Oakland, California, Case #RO0000127*" report prepared by HerSchy Environmental, Inc upon my behalf, for the above-referenced site.

As the legally authorized representative of the above-referenced project, I have reviewed the attached report and declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,

Mr. Pritpaul Sappal

HerSchy Environmental, Inc.

September 5, 2006
Project A51-01

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

Re: Results of the August 2006 Quarterly Groundwater Monitoring Event, Alaska Gasoline Company, Oakland, California, Case #RO0000127

Dear Mr. Chan:

HerSchy Environmental, Inc. 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). Groundwater monitoring was performed on August 18, 2006.

METHODS OF INVESTIGATION

Groundwater Sampling Procedures:

Groundwater samples were collected from five of the seven monitoring and extraction wells on August 18, 2006. Monitoring well MW-4 and extraction well EX-1 were found to have floating product, and therefore were not sampled. All monitoring wells were measured for static water level and total depth using an electric sounder prior to initiating sampling. Depth to groundwater was recorded to the nearest 0.01 feet on field sampling data sheets. The groundwater elevation in the monitoring wells was calculated by subtracting the measured depth to groundwater from the surveyed well elevation. The depth to groundwater, total depth of the well, and well diameter were used to calculate the purge volume.

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 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.

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

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 8260b.

RESULTS OF INVESTIGATION

Groundwater Conditions:

Because MW-4 and EX-1 contained floating product, groundwater data from these wells were not used in determining the groundwater flow direction or gradient.

Groundwater was present beneath the site at an average depth of 7.82 feet below the surveyed well elevations during the August 2006 monitoring event. Groundwater elevation during this quarter averaged 28.05 feet above mean sea level. This represents a decrease in average groundwater elevation of about 1.04 feet since the May 2006 monitoring event, based on average depth to groundwater. Groundwater flow direction was approximately South 19 degrees West at a gradient of 0.0125 on August 18, 2006. Groundwater conditions are summarized in Table 1 and are presented graphically in Figure 2.

Table 1
Groundwater Conditions, Alaska Gasoline, Oakland

Well Number	Elevation	Depth to GW	GW Elevation
November 17, 2005			
EX-1	33.28	NS	NS
MW-1R	36.67	8.41	28.26
MW-2	36.33	7.88	28.45
MW-3	35.12	7.56	27.56
MW-4	34.11	0.75' free product	------
MW-5	35.17	6.47	28.70
MW-6	36.07	7.80	28.27
Flow Direction = S. 35 W.; Gradient = .010			
February 8, 2006			
EX-1*	33.28	4.92*	28.36*
MW-1R	36.67	6.81	29.86
MW-2	36.33	6.24	30.09
MW-3	35.12	6.00	29.12
MW-4	34.11	0.27' free product	------
MW-5	35.17	5.53	29.64
MW-6	36.07	6.16	29.91
Flow Direction = S. 48 W.; Gradient = .010			
May 5, 2006			
EX-1	33.28	0.81' free product	------
MW-1R	36.67	7.46	29.21

Table 1

Groundwater Conditions, Alaska Gasoline, Oakland

Well Number	Elevation	Depth to GW	GW Elevation
MW-2	36.33	6.89	29.44
MW-3	35.12	6.65	28.47
MW-4	34.11	0.39' free product	------
MW-5	35.17	6.10	29.07
MW-6	36.07	6.81	26.26
Flow Direction = S. 28 W.; Gradient = .013			
August 18, 2006			
EX-1	33.28	0.69' free product	------
MW-1R	36.67	8.58	28.09
MW-2	36.33	8.05	28.28
MW-3	35.12	7.73	27.39
MW-4	34.11	0.46' free product	------
MW-5	35.17	6.77	28.40
MW-6	36.07	7.97	28.10
Flow Direction = S. 19 W.; Gradient = .0125			

Elevations in feet NS = buried and not sounded or sampled

* = Screen drowned, all free product previously extracted during testing on 12/27/05

Based on the data gathered from the site monitoring wells, 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 are 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, 2005						
EX-1	NA	NA	NA	NA	NA	NA
MW-1R	2,500	66	290	75	290	1,300
MW-2	760	19	0.64	15	13	1,000
MW-3	200,000	2,400	ND	ND	ND	580,000
MW-4	NA	NA	NA	NA	NA	NA
MW-5	71	0.81	ND	1.1	ND	1.4
MW-6	1,100	30	ND	4.4	9.0	2,400
February 8, 2006						
EX-1	NA	NA	NA	NA	NA	NA
MW-1R	3,300	100	310	86	470	1,400
MW-2	10,000	1,500	7.6	660	380	4,300
MW-3	470,000	3,800	660	ND	790	490,000
MW-4	NA	NA	NA	NA	NA	NA

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

Well No	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MW-5	50	ND	ND	ND	ND	1.0
MW-6	3,600	220	43	66	160	2,700
May 5, 2006						
EX-1	NA	NA	NA	NA	NA	NA
MW-1R	3,400	170	350	97	550	1,100
MW-2	15,000	1,800	ND	1,200	1,200	5,800
MW-3	400,000	3,300	ND	ND	ND	590,000
MW-4	NA	NA	NA	NA	NA	NA
MW-5	ND	ND	ND	ND	ND	0.93
MW-6	1,600	130	21	37	65	1,400
August 18, 2006						
EX-1	NA	NA	NA	NA	NA	NA
MW-1R	5,800	190	1,000	230	1,000	490
MW-2	360	11	ND	13	9.7	160
MW-3	310,000	1,800	ND	ND	ND	440,000
MW-4	NA	NA	NA	NA	NA	NA
MW-5	ND	ND	ND	ND	ND	1.0
MW-6	270	27	ND	3.0	4.0	240

All results presented in parts per billion (ppb) NA= no analysis
MTBE results by EPA method 8260b

Groundwater samples were also analyzed for the fuel additives 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. Ethanol and methanol were not detected in any of the groundwater samples during the May 2004 monitoring event and are no longer being included in the laboratory analysis. Laboratory analytical results for the fuel additives and degradation products are presented in Appendix B and are summarized in Table 3 below:

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

Sample	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB	Methanol	Ethanol
November 17, 2005								
MW-1R	ND	ND	110	1,600	ND	ND	NA	NA
MW-2	ND	ND	26	810	ND	ND	NA	NA
MW-3	ND	ND	24,000	49,000	ND	ND	NA	NA
MW-5	ND	ND	ND	ND	ND	ND	NA	NA
MW-6	ND	ND	190	9,500	ND	ND	NA	NA
February 8, 2006								
MW-1R	ND	ND	130	1,400	ND	ND	NA	NA
MW-2	ND	ND	120	2,800	ND	ND	NA	NA
MW-3	ND	ND	26,000	49,000	ND	ND	NA	NA
MW-5	ND	ND	ND	ND	ND	ND	NA	NA

Table 3

Laboratory Analytical Results for Groundwater, Alaska Gasoline, Oakland

Sample	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB	Methanol	Ethanol
MW-6	ND	ND	180	7,800	ND	ND	NA	NA
May 5, 2006								
MW-1R	ND	ND	100	2,400	ND	ND	NA	NA
MW-2	ND	ND	150	4,300	ND	ND	NA	NA
MW-3	ND	ND	21,000	86,000	ND	ND	NA	NA
MW-5	ND	ND	ND	ND	ND	ND	NA	NA
MW-6	ND	ND	53	3,100	ND	ND	NA	NA
August 18, 2006								
MW-1R	ND	ND	36	2,900	ND	ND	NA	NA
MW-2	ND	ND	4.6	600	ND	ND	NA	NA
MW-3	ND	ND	23,000	79,000	ND	ND	NA	NA
MW-5	ND	ND	ND	ND	ND	ND	NA	NA
MW-6	ND	ND	11	2,400	ND	ND	NA	NA

ND = below detectable concentrations
NA = no analysis
All results in parts per billion (ppb)
NS = not sampled

No DIPE, ETBE, EDB, or 1,2-DCA was detected in the groundwater samples during the August 2006 monitoring event. High concentrations of TAME and TBA exist in MW-3, with moderate concentrations of TBA also present in MW-1R and MW-6.

CONCLUSIONS AND RECOMMENDATIONS

Monitoring well MW-5 had no detectable amount of any constituents during the August 2006 monitoring event with the exception of a relatively low concentration of MTBE for the second consecutive quarter. All other on-site monitoring wells sampled were impacted, to varying degrees, with gasoline constituents. The highest concentrations detected this quarter from wells without free product are from MW-3, the well that historically has recorded the highest contaminant concentrations of the wells without floating product. The low to non-detect concentrations in MW-5 are likely due to the up-gradient location of MW-5 relative to the USTs. Relatively high concentrations of petroleum hydrocarbons remain in soil and groundwater beneath the subject site. This is clearly evident by the fact that monitoring well MW-4 and extraction well EX-1 continue to contain floating product.

The previously proposed and approved soil vapor extraction system is expected to be operational September 1, 2006. Although the natural gas service installation is not yet scheduled by PG&E, electrical service is expected to be installed the week of August 28, 2006. A 500-gallon propane tank has been installed, with propane to be used as supplemental fuel temporarily.

Groundwater elevations are currently at a seasonal low. Therefore, the second free product recovery test, as approved in a recent letter from the Alameda County Health Care Services Agency, will be conducted shortly. The product recovery equipment has been ordered; the test will be conducted within 30 days of receiving the equipment.

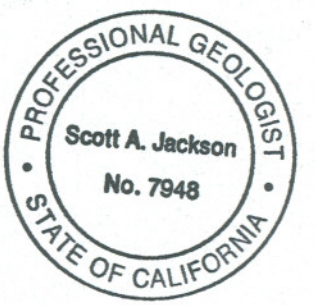
Installation of off-site monitoring wells to further delineate the groundwater plume and floating product continues to be delayed due to City of Oakland insurance issues. Aon Group insurance, the

largest insurance company in the nation, and Lloyd's of London refuse to underwrite the verbage required by the city. HerSchy Environmental, Inc. will continue to work with the city on this requirement, but it may be necessary to have assistance from your office.

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

With best regards,
HerSchy Environmental, Inc.

Scott Jackson
Professional Geologist #7948



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

HerSchy Environmental, Inc.

Environmental Consulting and Remediation

P. O. Box 229
Bass Lake, California 93604-0229
Tel. (559) 641-7320, Fax (559) 641-7340

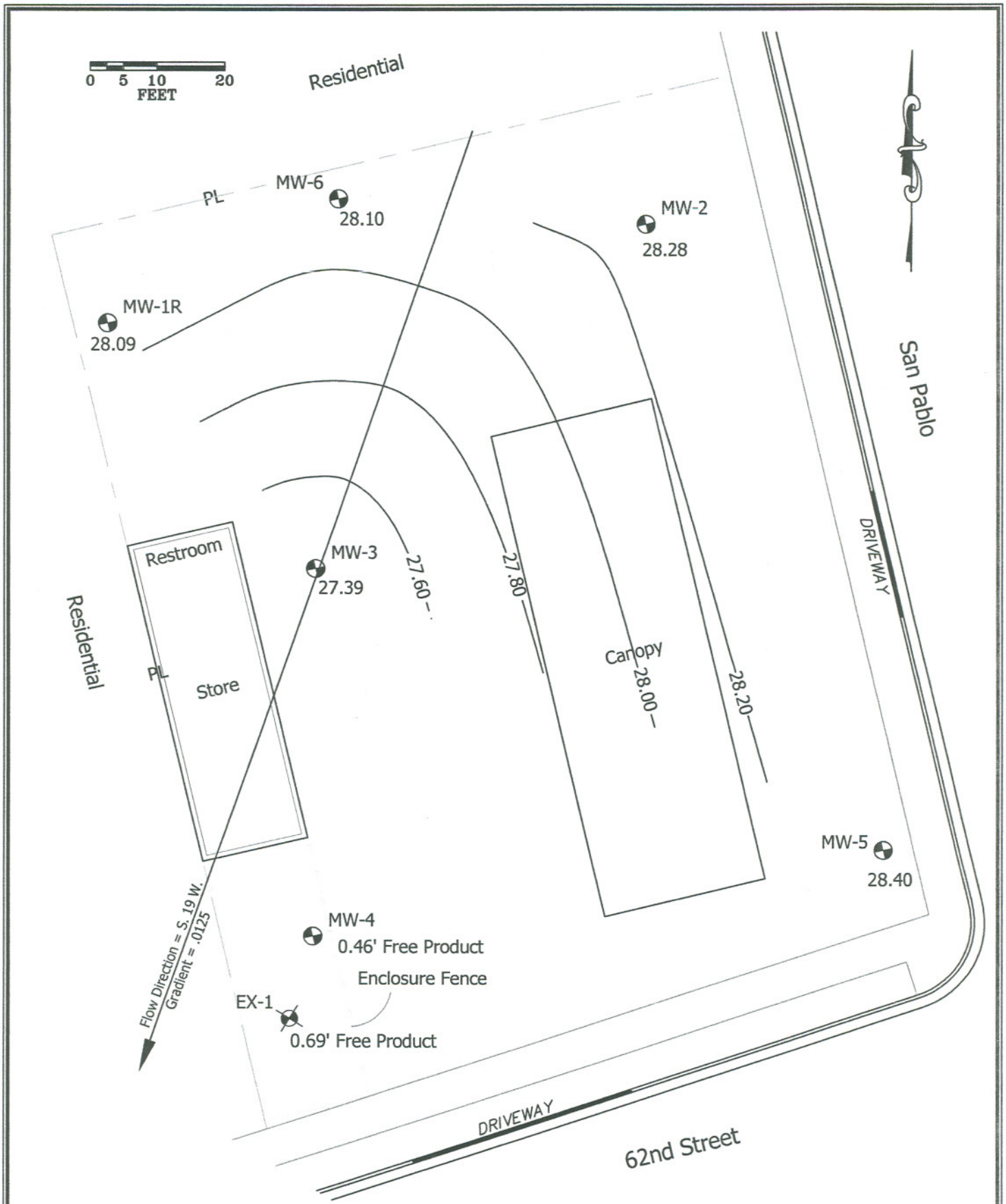
SITE LOCATION MAP

ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	August 2005
FILE NO.:	A51.01
DRAWN BY:	WEA

FIGURE 1



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

GROUNDWATER CONDITIONS
August 2006
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE: August 2006
FILE NO.: A51-01
DRAWN BY: SAJ

FIGURE 2

APPENDIX A

GROUNDWATER FIELD

SAMPLING DATA SHEETS

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: ALASKA GAS Location: OAKLAND

Purged By: ~~WEST~~ Sampled by: ~~WEST~~

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): 5.85 Actual Purge Volume (gal.): _____

Date Purged: _____ Date Sampled: _____

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY

Sheen Y/N?: _____ Odor: _____

Purging Equipment: _____

Sampling Equipment: _____

Remarks: 5.16' TO TOP OF PRODUCT 5.85 TO WATER
.69 FLOATING PRODUCT
08-18-06

Sampler's Signature: John D. West

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: ALASKA GAS Location: OAKLAND

Purged By: WEST Sampled by: WEST

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

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

Casing Elevation (feet/MSL): 36.67 Volume in Casing (gal.): 2.4

Depth of Well (feet): 23.40 Calculate Purge Volume (gal.): 7.3

Depth to Water (feet): 8.58 Actual Purge Volume (gal.): 7.3+

Date Purged: 08-18-06 Date Sampled: 08-18-06 0727

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0713	-	6.60	582	66.4	Cloudy
0725	7.3	6.61	558	65.9	Cloudy

Sheen Y/N?: N Odor: PETROLEUM

Purging Equipment: WATERRA

Sampling Equipment: WATERRA

Remarks: ____

Sampler's Signature: John D. West

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: ALASKA GAS Location: OAKLAND

Purged By: WEST Sampled by: WEST

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

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

Casing Elevation (feet/MSL): 36.33 Volume in Casing (gal.): 2.1

Depth of Well (feet): 20.90 Calculate Purge Volume (gal.): 6.3

Depth to Water (feet): 8.05 Actual Purge Volume (gal.): 6.3+

Date Purged: 08-18-06 Date Sampled: 08-18-06 0805

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0751	✓	6.71	616	67.6	CLEAR
0802	6.3	6.66	611	67.9	CLEAR

Sheen Y/N?: N Odor: SLIGHT PETROLEUM

Purging Equipment: WATERRA

Sampling Equipment: WATERRA

Remarks: ____

Sampler's Signature: John D. West

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: ALASKA GAS Location: OAKLAND

Purged By: WEST Sampled by: WEST

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

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

Casing Elevation (feet/MSL): 33.12 Volume in Casing (gal.): 2.2

Depth of Well (feet): 21.20 Calculate Purge Volume (gal.): 6.6

Depth to Water (feet): 7.73 Actual Purge Volume (gal.): 7+

Date Purged: 08-18-06 Date Sampled: 08-18-06 0707

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0654	-	6.38	926	64.9	CLOUDY
0704	6.6	6.40	852	66.5	CLOUDY

Sheen Y/N?: N Odor: SLIGHT PETROLEUM

Purging Equipment: WATERRA

Sampling Equipment: WATERRA

Remarks: ____

Sampler's Signature: John D. West

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: ALASKA GAS Location: OAKLAND

Purged By: WEST Sampled by: WEST

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

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

Casing Elevation (feet/MSL): 34.11 Volume in Casing (gal.): _____

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

Depth to Water (feet): 6.45 Actual Purge Volume (gal.): _____

Date Purged: _____ Date Sampled: _____

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY

Sheen Y/N?: _____ Odor: _____

Purging Equipment: _____

Sampling Equipment: _____

Remarks: 5.99 TO TOP OF PRODUCT 6.45 TO WATER .54 OF FLOATING PRODUCT

08-18-00

Sampler's Signature: John D. West

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: ALASKA GAS Location: OAKLAND

Purged By: WEST Sampled by: WEST

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

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

Casing Elevation (feet/MSL): 35.17 Volume in Casing (gal.): 2.9

Depth of Well (feet): 24.90 Calculate Purge Volume (gal.): 8.9

Depth to Water (feet): 6.77 Actual Purge Volume (gal.): 9+

Date Purged: 08-18-06 Date Sampled: 08-18-06 0825

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0810	~	6.68	687	67.4	Cloudy
0822	9	6.67	659	67.2	Cloudy

Sheen Y/N?: N Odor: NONE

Purging Equipment: WATERRA

Sampling Equipment: WATERRA

Remarks: ____

Sampler's Signature: John D. West

/Water Sample Sheet.wpd

HerSchy Environmental

WATER SAMPLE FIELD DATA SHEET

Client Name: ALASKA GAS Location: OAKLAND

Purged By: WEST Sampled by: WEST

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

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

Casing Elevation (feet/MSL): 36.07 Volume in Casing (gal.): 2.5

Depth of Well (feet): 23.10 Calculate Purge Volume (gal.): 7.4

Depth to Water (feet): 7.97 Actual Purge Volume (gal.): 7.4+

Date Purged: 08-18-06 Date Sampled: 08-18-06 0745

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0734	-	6.72	508	66.4	CLOUDY
0743	7.4	6.69	531	66.3	SLIGHTLY CLOUDY

Sheen Y/N?: N Odor: PETROLEUM

Purging Equipment: WATERRA

Sampling Equipment: WATERRA

Remarks: ____

Sampler's Signature: John D. West

/Water Sample Sheet.wpd

APPENDIX B

CERTIFIED ANALYTICAL REPORTS

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
P.O. Box 229
Bass Lake, CA 93604
Attn: Scott Jackson

Client Project ID: Alaska Gas - Oakland
Reference Number: 9382
Sample Description: Water
Sample Prep/Analysis Method: EPA 5030/8015, 8020
Lab Numbers: 9382-1W, 2W, 3W, 4W, 5W

Sampled: 08-18-06
Received: 08-18-06
Extracted: 08-21-06
Analyzed: 08-21-06
Reported: 08-29-06

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT (ug/L)	SAMPLE ID MW-1R (ug/L)	SAMPLE ID MW-2 (ug/L)	SAMPLE ID MW-3 (ug/L)	SAMPLE ID MW-5 (ug/L)	SAMPLE ID MW-6 (ug/L)
MTBE	0.50	400	150	410000	0.97	230
BENZENE	0.50	190	11	1800	ND	27
TOLUENE	0.50	1000	ND	ND	ND	ND
ETHYL BENZENE	0.50	230	13	ND	ND	3.0
TOTAL XYLENES	0.50	1000	9.7	ND	ND	4.0
GASOLINE RANGE HYDROCARBONS	50	5800	360	310000	ND	270
Report Limit Multiplication Factor:		100	1	1000	1	1
Report Limit Multiplication Factor for MTBE only:			100	20000		10

Surrogate % Recovery:	FID: 97.0% / PID: 93.8%	FID: 144% / PID: 118%	FID: 95.1% / PID: 90.2%	FID: 89.0% / PID: 91.8%	FID: 110% / PID: 102%
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

APPROVED BY: Clari J Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

HerSchy Environmental	Client Project ID: Aleska Gasoline - Oakland	Sampled: 08-18-06
P.O. Box 229	Reference Number: 9382	Received: 08-18-06
Bass Lake, CA 93604	Sample Description: Water	Extracted: 08-18-06
Attn: Scott Jackson	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 08-18-06
	Lab Numbers: 9382-1W, 2W, 3W, 4W, 5W	Reported: 08-29-06

GASOLINE ADDITIVES AND SOLVENTS 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	490	160	440000	1.0	240
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	36	4.6	23000	ND	11
tert-Butanol (TBA)	20	2900	600	79000	ND	2400
VOLATILE HALOCARBONS & AROMATICS						
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:		5*	1	2000*	1	1
Report Limit Multiplication Factor for MTBE:		100	10	20000		100
Report Limit Multiplication Factor for TBA:		100				100

** Report limit raised due to matrix interference*

Surrogate Recoveries					
1,2-Dichloroethane-d4	92.4%	95.2%	89.0%	98.7%	100%
Toluene-d8	103%	98.9%	94.8%	104%	99%

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)

APPROVED BY: *James C. Phillips / Laboratory Director or*
Clari J. Cone / Laboratory Manager

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 1 OF 1

Customer: ALASKA GAS
Address:
City/State/ZIP: OAKLAND
Phone / FAX:
Proj # / P.O. #:
Report Attention:
Sampler Signature: John S. West
Printed: JOHN S. WEST

Lab ID#	SAMPLE ID	DATE	TIME	DESCRIPTION/LOCATION	SAMPLE TYPE (g) grab (c) composite (d) discrete	SAMPLE MATRIX (s) solid (l) liquid (o) other	REQUESTED ANALYSES: 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	08-15	0727		G	L	X	X			X							3	
	MW-2	"	0805		"	"	"	"			"							"	
	MW-3	"	0707		"	"	"	"			"							"	
	MW-5	"	0825		"	"	"	"			"							"	
	MW-6	"	0745		"	"	"	"			"							"	

Method of Shipment:

Notes:

	Signature	Printed Name	Date	Time	Company Name
Relinquished by:	John S. West	JOHN S. WEST	08-16		HERSCHY ENV
Received by:					
Relinquished by:					
Received by:					
Relinquished by:					
Received by:	Twisted Ambs	Twisted Ambs	8.16.10	1055	Castle Analytical

18 Total number of containers submitted to the laboratory

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

RESULTS DUE : _____

☐ VERBAL ☐ WRITTEN