April 10, 2008

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

RE: Results of February 2008 Quarterly Groundwater Monitoring
Alaska Gas
6211 San Pablo Avenue
Oakland, California

Dear Mr. Khatri:

Attached for your review and comment is the April 10, 2008 *Results of February 2008 Quarterly Groundwater Monitoring* 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.

April 10, 2008
Project A51-01

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

Re: **Results of February 2008 Quarterly Groundwater Monitoring**
Alaska Gasoline Company
6211 San Pablo Avenue
Oakland, California
Case #RO0000127

Dear Mr. Khatri:

HerSchy Environmental, Inc. (HerSchy), on behalf of Mr. Pritpaul Sappal of the Alaska Gasoline Company, has prepared this report summarizing the results of the most recent quarterly monitoring event. Also included is a summary of progress of the various ongoing tasks associated with the current investigation. A dual phase extraction (DPE) pilot test was conducted February 5-6, 2008 to assess the effectiveness of a more aggressive remedial technique. Details of the pilot test were submitted to ACEHS staff under the title *Investigation Results of Dual Phase Extraction Pilot Test*, dated April 3, 2008. 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 February 14, 2008.

METHODS OF INVESTIGATION

Groundwater Sampling Procedures

Groundwater samples were collected from all seven monitoring and extraction wells on February 14, 2008. 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. All purge water is stored on-site in either 55-gallon drums

or the excess water tank attached to the remediation unit. When water levels in storage tanks near capacity, the water is then removed by a licensed hauler and disposed of in a state-approved repository. Physical characteristics (temperature, electrical conductivity, and pH) were measured at the initiation of purging and at each purged well volume. These characteristics were recorded on field sampling data sheets and 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 either frozen gel packs or ice immediately after sampling. Samples were maintained at, or below, four degrees Celsius until delivered to the laboratory. All groundwater samples are stored, transported, and delivered under proper chain-of-custody documentation and delivered to a California certified laboratory.

Soil Vapor Extraction System (SVES) Monitoring

The currently installed SVES has been shutdown since November 19, 2007 for various reasons that were discussed at length in HerSchy's *Results of November 2007 Quarterly Groundwater Monitoring*, dated January 3, 2008. The reasons for shutting the system down include influent concentrations trends nearing asymptotic levels as well as a declining cost-effectiveness. No SVES monitoring has been conducted since that time.

Laboratory Analysis

Groundwater samples were analyzed for gasoline-range total petroleum hydrocarbons (TPHg) by EPA method 8015M, benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA method 8021B. 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

SoakEase™ absorbent product socks were being utilized in extraction well EX-1 where free product had been a recurrent issue. Prior to initiation of a dual phase extraction (DPE) pilot test, the remaining product sock was weighed, removed, and stored for future disposal. Approximately 262 ounces or the equivalent of 2.65 gallons of product have been removed by product socks use. No free product was observed in any wells during the February 2008 monitoring event.

Groundwater was present beneath the site at an average depth of 5.33 feet below the average surveyed well elevation during the February 2008 monitoring event. It is prudent to note that groundwater data from well EX-1 is included for the first time since May 2004 in these findings, due to the absence of floating product. Groundwater elevation during this quarter averaged 29.94 feet above mean sea level. This represents an increase in average groundwater elevation of approximately 1.82 feet since the November 2007 monitoring event. Groundwater flow direction was approximately South 37 degrees West at a gradient of 0.013 on February 14, 2008. Groundwater conditions are summarized in Table 1 and are presented graphically in Figure 2. A comprehensive table of historical groundwater data is included as Appendix B.

Table 1
Groundwater Conditions -
Alaska Gasoline, Oakland

Well Number	Elevation	Depth to GW	GW Elevation
May 10, 2007			
EX-1	33.28	-0.3	--
MW-1R	36.67	6.39*	--
MW-2	36.33	6.83	29.50
MW-3	35.12	6.54	28.58
MW-4	34.11	-0.47	--
MW-5	35.17	5.9	29.27
MW-6	36.07	6.72	29.35
Flow Direction = S. 39 W.; Gradient = 0.012			
August 16, 2007			
EX-1	33.28	0.08	--
MW-1R	36.67	9.33*	--
MW-2	36.33	7.26	29.07
MW-3	35.12	7.62	27.50
MW-4	34.11	NM	--
MW-5	35.17	6.79	28.38
MW-6	36.07	7.94	28.13
Flow Direction = S. 49 W.; Gradient = 0.022			
November 8, 2007			
EX-1	33.28	5.10	28.18
MW-1R	36.67	8.83	27.84
MW-2	36.33	7.81	28.52
MW-3	35.12	7.52	27.60
MW-4	34.11	6.60	27.51
MW-5	35.17	6.43	28.74
MW-6	36.07	7.71	28.36
Flow Direction = S 65 W; Gradient = 0.012			
February 14, 2008			
EX-1	33.28	3.51	29.77

Table 1 *(Cont.)*
Groundwater Conditions -
Alaska Gasoline, Oakland

February 14, 2008 *(cont.)*			
MW-1R	36.67	6.89	29.78
MW-2	36.33	5.90	30.43
MW-3	35.12	5.60	29.52
MW-4	34.11	4.28	29.83
MW-5	35.17	5.31	29.86
MW-6	36.07	5.83	30.24
Flow Direction = S 37 W; Gradient = 0.013			

Elevations in feet above mean sea level (MSL) NA – Not applicable
* well not surveyed at time of sampling ** See Groundwater Data Section for details

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. Table 2 summarizes analytical data for the current quarter along with data from the previous six quarters. Certified analytical reports and chain-of-custody documentation for the current quarter are presented in Appendix C.

Table 2
Laboratory Analytical Results for Groundwater
Alaska Gasoline

	TPHg	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*TAME*	*TBA*
MW-1R								
May 10, 2007	ND	ND	ND	ND	2.0	5.9	ND	ND
August 16, 2007	ND	ND	ND	ND	ND	ND		
November 8, 2007	1,300	11	82	54	270	1.4	ND	ND
February 14, 2008	800	7.6	31	23	150	1.7	ND	ND
MW-2								
May 10, 2007	590	31	ND	39	22	200	5.9	250
August 16, 2007	650	49	ND	71	49	100	3.5	82
November 8, 2007	110	1.6	ND	1.9	1.6	23	0.64	48
February 14, 2008	350	24	ND	12	5.9	190	7.7	320
MW-3								
May 10, 2007	140,000	ND	ND	ND	ND	180,000	7,100	80,000
August 16, 2007	69,000*	ND	ND	ND	ND	85,000	3,400	180,000
November 8, 2007	34,000*	ND	ND	ND	ND	38,000	1,400	140,000
February 14, 2008	41,000	ND	110	110	610	44,000	1,900	110,000
MW-4								
May 10, 2007	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
August 16, 2007	49,000	710	840	ND	10,000	3,600	510	32,000

Table 2 *(Cont.)*
Laboratory Analytical Results for Groundwater
Alaska Gasoline

	TPHg	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*TAME*	*TBA*
November 8, 2007	64,000	1,300	2,600	1,000	8,500	1,500	360	14,000
February 14, 2008	60,000	390	460	230	2,000	52,000	2000	58,000
MW-5								
May 10, 2007	ND	ND	ND	ND	ND	1.5	ND	ND
August 16, 2007	ND	ND	ND	ND	ND	1.3	ND	ND
November 8, 2007	ND	ND	ND	ND	ND	1.5	ND	ND
February 14, 2008	ND	ND	ND	ND	ND	1.3	ND	ND
MW-6								
May 10, 2007	ND	3.0	ND	ND	1.9	26	2	48
August 16, 2007	ND	ND	ND	ND	ND	1.4	ND	ND
November 8, 2007	ND	ND	ND	ND	ND	5.3	ND	ND
February 14, 2008	ND	ND	ND	ND	ND	11	0.94	220
EX-1								
May 10, 2007	NA	NA	NA	NA	NA	NA	NA	NA
August 16, 2007	NA	NA	NA	NA	NA	NA	NA	NA
November 8, 2007	NA	NA	NA	NA	NA	NA	NA	NA
February 14, 2008	84,000	2,300	4,900	1,800	14,000	3,900	610	10,000

- All reported values in parts per billion (ppb)
- ND = below laboratory detection limits
- NA = not analyzed
- NS = not sampled

No DIPE, ETBE, EDB, or 1,2-DCA was reported in groundwater samples during the February 2008 sampling event. Ethanol and methanol were not reported in any of the groundwater samples during the May 2004 monitoring event and are no longer being included in the laboratory analyses. Concentration trend graphs are included in Appendix D and are shown for several constituents in Plates 1 & 2.

CONCLUSIONS AND RECOMMENDATIONS

It is important to note that groundwater sampling of all site wells this quarter occurred seven days after completion of a dual phase extraction pilot test. During the test approximately 8,500 gallons of groundwater were removed over the course of 17 hours of testing. Also, it was calculated that roughly 104.19 lbs of product or the equivalent of 16.86 gallons of product as TPHg were removed through testing efforts. The measured radius-of-influence for the test was estimated to be between 100 to 130 feet from extraction wells. Although abbreviated, the test appears to have had created an influence on all site wells. The residual impacts of the test remain to be seen.

The only reported fuel constituent in well MW-5 this quarter was MTBE at 1.3 ppb. The only reported fuel constituents in well MW-6 this quarter were MTBE, TAME, and TBA at 11 ppb, 0.94 ppb, and 220 ppb, respectively.

Wells EX-1, MW-1R and MW-2 through MW-4 were reported as impacted with fuel constituents to varying degrees. TPHg was reported at concentrations from 350 ppb to 84,000 ppb, with the highest reported value from well EX-1 (previously reported with levels of free product). Benzene was reported at concentrations ranging from below the laboratory reporting limits to the highest reported value, 2,300 ppb, in well EX-1. MTBE was reported in all site wells this quarter to varying degrees, with the highest reported value in well MW-4 at 52,000 ppb. Concentrations of TAME and TBA were reported in all site wells, except well MW-1R and MW-5, with the highest reported values at 2,000 ppb and 110,000 ppb in wells MW-4 and MW-3, respectively.

Relatively high concentrations of petroleum hydrocarbons remain in soil and groundwater beneath the subject site. Isoconcentration maps for TPHg and MTBE are attached as Figures 3 and 4, respectively.

Status of Site Investigation Activities

After completion of three previously approved direct push borings, HerSchy submitted correspondence entitled *Site Update,* dated August 29, 2007, in which a request was made to Alameda County Health Care Services (ACHCS) staff for a modification of the remaining previously approved locations along with a proposal for additional sampling points based on preliminary results. At this time, we are waiting to proceed with the modified and added locations until approval from the Alameda County Health Care Services (ACHCS). Two previously approved and permitted permanent monitoring wells on Marshall Street remain uninstalled at this time due to continued insurance and/or surety bond issues with the City of Oakland. It is our understanding at this time, that the property owner, Mr. Sappal, is currently awaiting consultation with ACHCS staff to discuss his difficulties at obtaining insurance and/or surety bonds for the proposed permanent wells on Marshall Street. The request for a meeting was originally made in HerSchy's *Site Update* letter mentioned above. The request was re-iterated in *Results of August 2007 Quarterly Groundwater Monitoring*, dated October 24, 2007, *Results of November 2007 Quarterly Groundwater Monitoring*, dated January 3, 2008, and in the *Investigation Report for Dual Phase Extraction Pilot Test*, dated April 3, 2008.

HerSchy continues its attempts at moving forward with establishing access agreements with the City of Oakland Housing Authority (HA) for the property adjacent to and west of the project site, and is currently awaiting a formal response to our access agreement request or issuance of said agreement. On March 25, 2008 a phone call was made to request the status of the access agreement request. HerSchy was informed that Ms. Foster, the previously assigned case worker, had retired. The status of the formal access request was unknown at the time of the call. An internal inquiry into the status of the request by HA staff was begun following our communication. HerSchy was informed that a status update would be forthcoming soon. Mr. Eric Johnson, Deputy Director of Operations for the HA, contacted HerSchy and indicated that he would be overseeing the request for access. Per his request, e-mail correspondence was sent to him on

March 27, 2008 (Appendix E), which included the original direct push work plan and approval, along with a map indicating proposed boring locations. We are currently awaiting a response to this e-mail.

HerSchy has attempted to gain an access agreement from Mr. Wang for his property southwest and down-gradient of the subject property. Several requests, both verbal and written, have been made to Mr. Wang regarding access to the property for investigative work. Each request has been either verbally denied or ignored. As a reference, inquiries and requests for access to the property were first made in December 2006, at which time the property was owned by the City of Oakland. The vacant property was sold by the City of Oakland to Mr. Paul Wang sometime between March and April 2007. Since changing hands, the property has been developed and now holds two apartment buildings with associated landscaping and fencing. In light of the difficulties obtaining the agreement, the new structures on site, and HerSchy's proposal for modified boring locations, pursuance of this agreement has been placed on hold until consultation with ACHCS staff.

As mentioned previously, the soil vapor extraction system (SVES) was shutdown November 19, 2007 due to several factors. A review of SVES operations suggested that either the ability to mobilize contaminants had diminished or the affected soil was depleted of available hydrocarbon contaminants within the effective radii of the SVES. These findings are based on influent vapor levels exhibiting asymptotic trends near zero while hydrocarbon concentrations in groundwater samples remain at relatively high levels. In the *Results of August 2007 Quarterly Monitoring Report*, HerSchy proposed intermittent operation, or cycling, of the existing oxidizer as a means to increase both remedial efficiency and cost-effectiveness. At this time, no response to this request has been received. After consideration of the declining effectiveness of the current configuration of the remediation unit and significant operating costs, the decision was made to de-activate the SVES.

Alternate or modified remediation options have been under review by HerSchy staff and include limited excavation, installation of a "trench-and-gate" system, cycling of the existing SVES operation, dual phase extraction, additional in-well or in-situ vapor stripping, and others. As previously stated, a DPE pilot test was recently conducted for multiple reasons. The main goal was to assess the feasibility of DPE as a cost-effective remedial alternative. A secondary reason for the test was to conduct a one time groundwater and product removal event. At this time, HerSchy will suspend the use of product socks until free product is encountered again, if at all.

Based on recent correspondence with the Alameda County Environmental Health Services Department (phone and e-mail correspondence), it appears that the meeting, first requested in August 2007, will be scheduled shortly. To reiterate, HerSchy's goal for this meeting is to create a working relationship with the regulatory agency, communicate the obstacles that have been experienced, and collectively determine the most prudent, efficient, and cost-effective site investigation and remediation methods permissible within regulatory restrictions.

SCHEDULE AND CLOSING

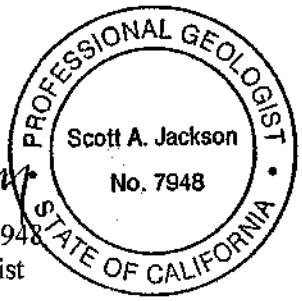
The next monitoring and sampling event is scheduled for May 2008. We appreciate the opportunity to work with you on this matter. Please contact Reijo Ratilainen (559) 760-0037 or Scott Jackson (559) 641-7320 with any questions or for additional information.

Sincerely,

HerSchy Environmental, Inc.

Reijo Ratilainen
Project Geologist

Scott Jackson, P.G. #7948
Senior Project Geologist



Figures
1 - Vicinity Map
2 Site Plan with Groundwater Elevation Diagram
3 - TPHg Isoconcentration Diagram
4 - MTBE Isoconcentration Diagram
5 - TBA Isoconcentration Diagram
6 - Site Plan with Proposed Direct Push Soil Boring Locations

Appendices
A - Groundwater Field Sampling Data Sheets
B - Historical Groundwater Data
C - Certified Analytical Reports for Groundwater Sampling
D - Concentration Trend Graphs
E – E-mail Correspondence with the City of Oakland Housing Authority

cc: Mr. Pritpaul Sappal
Mr. Hernan Gomez, Oakland Fire Services Agency
Ms. Alyce Sandbach, 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

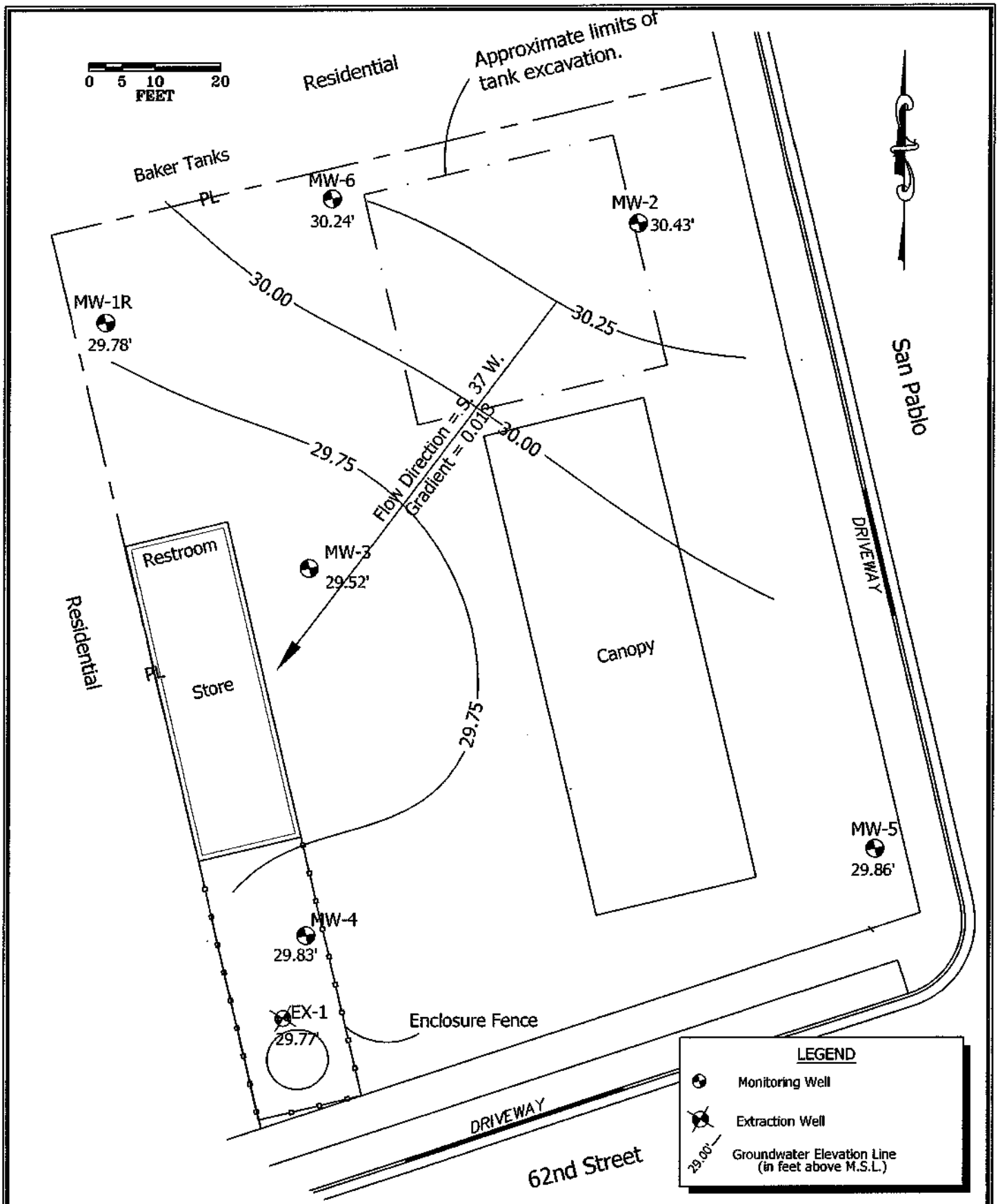
SITE LOCATION MAP

ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

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

FIGURE 1



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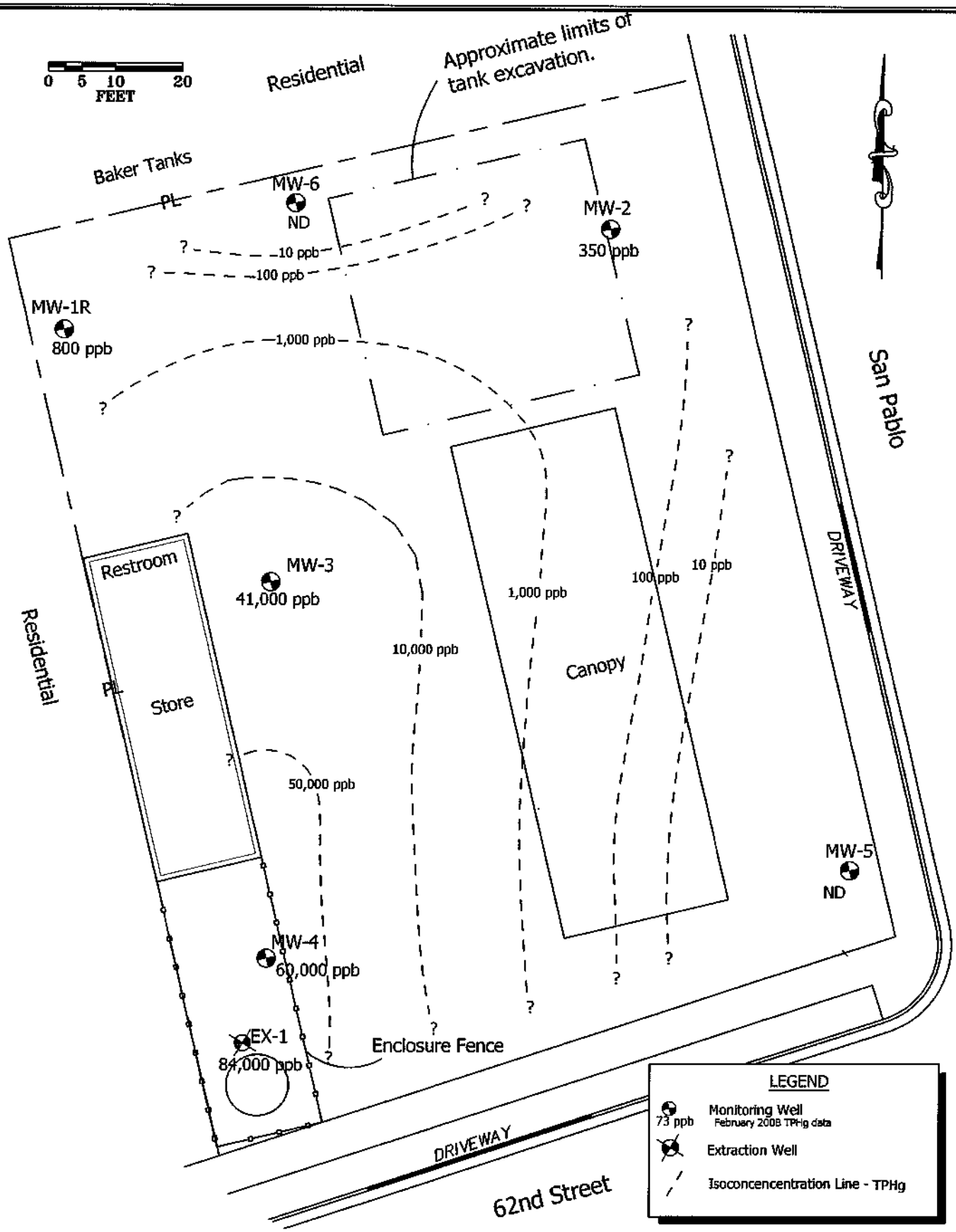
Tel. (559) 641-7320, Fax (559) 641-7340

GROUNDWATER CONDITIONS
February 2008
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE: March 21, 2008
FILE NO.: A51-01
DRAWN BY: RER

FIGURE 2



HerSchy Environmental, Inc.
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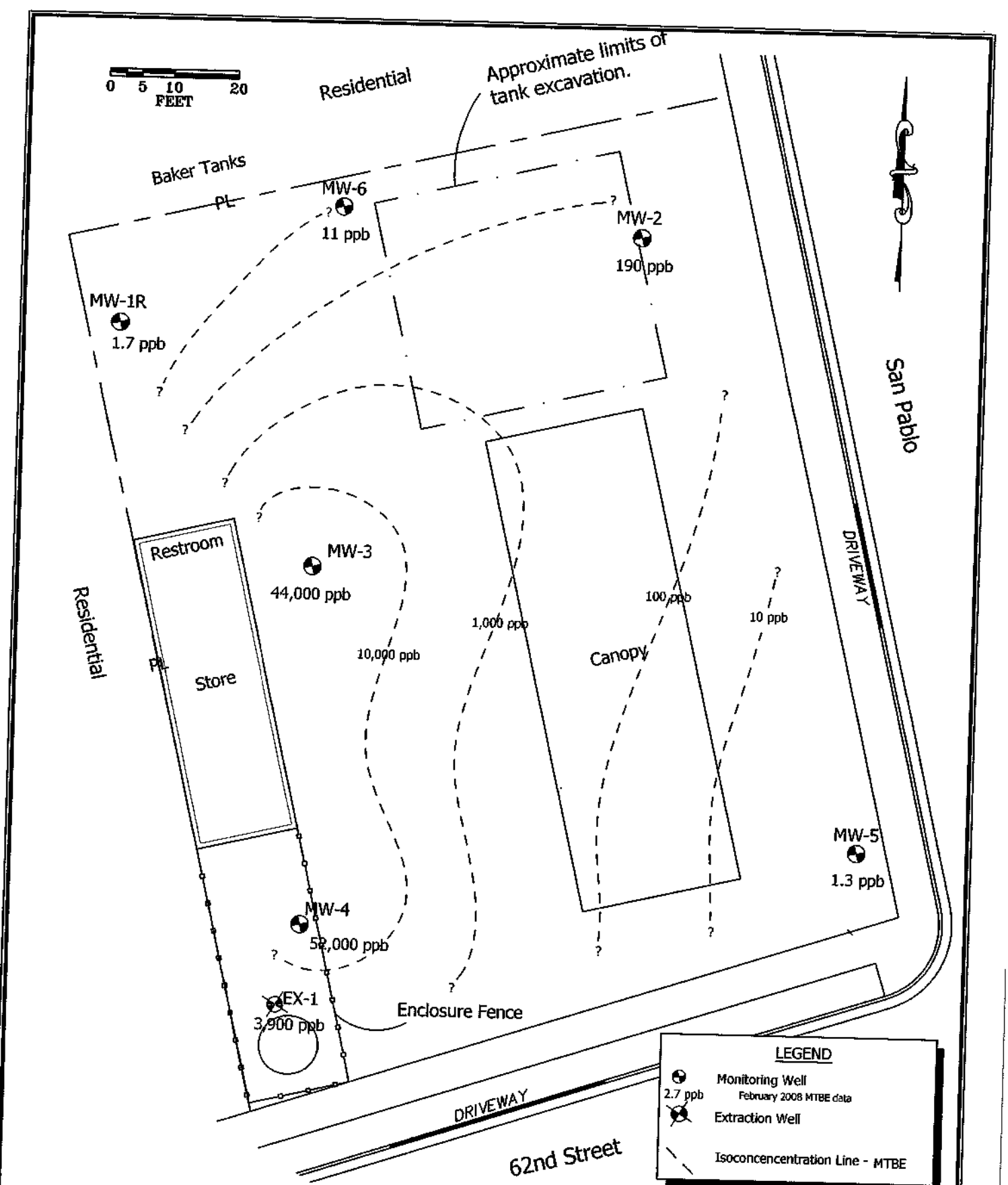
Isoconcentration Map - TPHg
February 2008
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE: March 21, 2008
FILE NO.: A51-01
DRAWN BY: RER

FIGURE 3



HerSchy Environmental, Inc.
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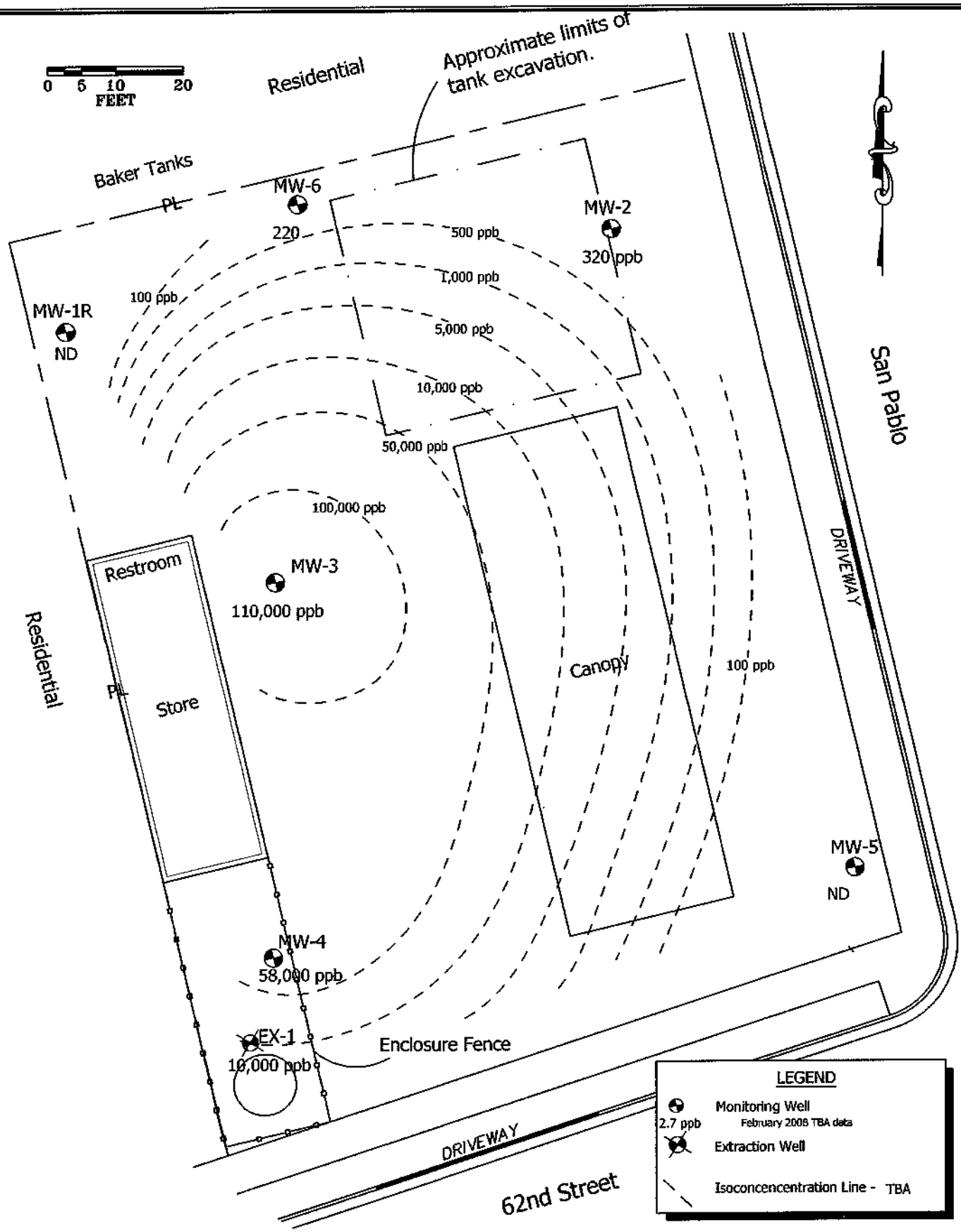
Bass Lake, California 93604-0229
Tel. (559) 641-7320, Fax (559) 641-7340

Isoconcentration Map - MTBE
February 2008
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE: March 21,2008
FILE NO.: A51-01
DRAWN BY: RER

FIGURE 4



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Isoconcentration Map - TBA
February 2008
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE: March 21, 2008
FILE NO.: A51-01
DRAWN BY: RER

FIGURE 5

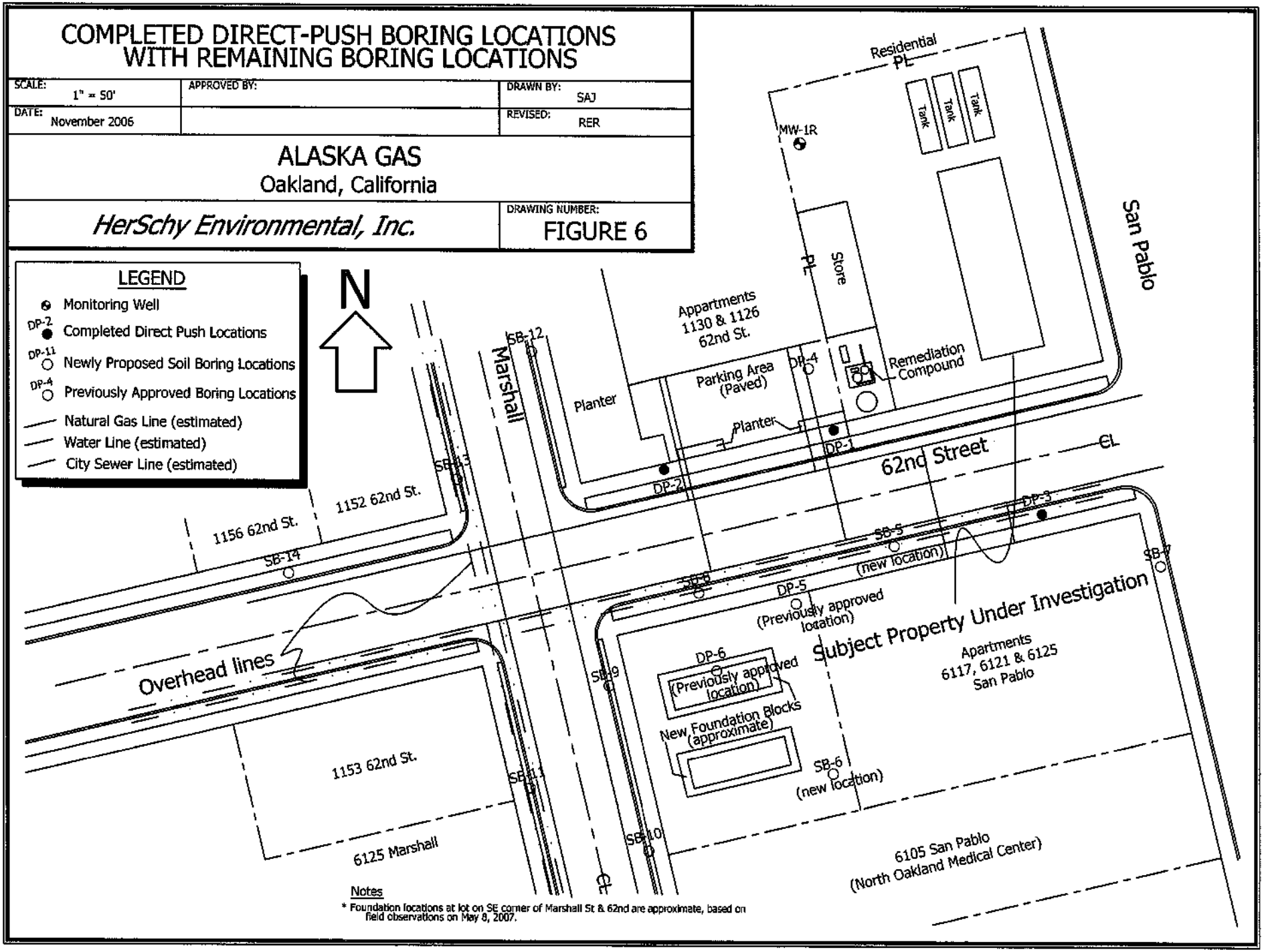
COMPLETED DIRECT-PUSH BORING LOCATIONS WITH REMAINING BORING LOCATIONS

SCALE: 1" = 50'	APPROVED BY:	DRAWN BY: SAJ
DATE: November 2006		REVISED: RER

ALASKA GAS
Oakland, California

HerSchy Environmental, Inc.

DRAWING NUMBER: FIGURE 6



Notes

* Foundation locations at lot on SE corner of Marshall St & 62nd are approximate, based on field observations on May 8, 2007.

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~~ 3 ____ 4 X 5 ____ 6 ____ Other ____

Casing Elevation (feet/MSL): ____ Volume in Casing (gal.): 13.4

Depth of Well (feet): 27.50 Calculate Purge Volume (gal.): 40.3

Depth to Water (feet): 3.51 Actual Purge Volume (gal.): 42+

Date Purged: 02-14-08 Date Sampled: 02-14-08 2013

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0944	—	7.35	698	64.5	CLEAR
0951	14	7.36	708	63.4	CLEAR
0958	28	7.26	709	61.9	CLEAR
1005	42	6.76	709	61.3	CLEAR

Sheen Y/N?: Y Odor: PETROLEUM

Purging Equipment: MONSOON PUMP

Sampling Equipment: BAILER

Remarks: ____

Sampler's Signature: John S. 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): ____ Volume in Casing (gal.): 2.5

Depth of Well (feet): 22.65 Calculate Purge Volume (gal.): 7.7

Depth to Water (feet): 6.89 Actual Purge Volume (gal.): 7.7+

Date Purged: 02-14-08 Date Sampled: 02-14-08 0752

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0734	—	7.76	437	58.8	CLEAR
0738	2.5	7.61	451	60.8	CLEAR
0743	5	7.58	463	62.6	CLEAR
0748	7.7	7.62	481	625	SLIGHTLY CLOUDY

Sheen Y/N?: N Odor: NONE

Purging Equipment: BAILER

Sampling Equipment: BAILER

Remarks: ____

Sampler's Signature: John S. 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 Diameter (inches): 2 X 3 ____ 4 ____ 5 ____ 6 ____ Other ____

Casing Elevation (feet/MSL): 36.33 Volume in Casing (gal.): 2.4

Depth of Well (feet): 20.90 Calculate Purge Volume (gal.): 7.3

Depth to Water (feet): 5.90 Actual Purge Volume (gal.): 7.3+

Date Purged: 02-14-08 Date Sampled: 02-14-08 0835

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0824	-	6.86	622	62.9	CLOUDY
0826	2.4	6.87	630	63.0	CLOUDY
0829	4.8	6.98	628	63.2	CLOUDY
0832	7.3	6.89	625	63.5	CLOUDY

Sheen Y/N?: N Odor: NONE

Purging Equipment: WATERRA

Sampling Equipment: WATERRA

Remarks:

Sampler's Signature: John S. West

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

Casing Elevation (feet/MSL): 33.12 Volume in Casing (gal.): 2.5

Depth of Well (feet): 21.20 Calculate Purge Volume (gal.): 7.6

Depth to Water (feet): 5.60 Actual Purge Volume (gal.): 7.6+

Date Purged: 02-14-08 Date Sampled: 02-14-08 0725

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0702	—	7.42	640	56.8	Clear
0708	2.5	7.07	648	60.5	CLEAR
0714	5	7.06	631	63.5	CLOUDY
0720	7.6	7.41	632	62.8	CLOUDY

Sheen Y/N?: N Odor: PETROLEUM

Purging Equipment: BAILER

Sampling Equipment: BAILER

Remarks: ____

Sampler's Signature: John S. 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 X Surface Water ____ Other ____

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

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

Depth of Well (feet): 19.70 Calculate Purge Volume (gal.): 7.5

Depth to Water (feet): 4.28 Actual Purge Volume (gal.): 7.5

Date Purged: 02-14-08 Date Sampled: 02-14-08 0930

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0911	—	7.40	772	58.9	CLEAR
0915	2.5	7.63	765	60.5	CLOUDY
0919	5	7.39	768	60.8	CLOUDY
0923	7.5	7.66	776	61.4	CLOUDY

Sheen Y/N?: N Odor: PETROLEUM

Purging Equipment: BAILER

Sampling Equipment: BAILER

Remarks: ____

Sampler's Signature: John S. 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.): 3.2

Depth of Well (feet): 24.90 Calculate Purge Volume (gal.): 9.6

Depth to Water (feet): 5.31 Actual Purge Volume (gal.): 9.6+

Date Purged: 02-14-08 Date Sampled: 02-14-08 0856

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0844	-	6.96	680	64.3	CLOUDY
0847	3.2	7.33	699	64.0	CLOUDY
0850	6.4	7.16	680	64.7	CLOUDY
0853	9.6	7.12	671	65.4	CLOUDY

Sheen Y/N?: N Odor: NONE

Purging Equipment: WATERRA

Sampling Equipment: WATERRA

Remarks: ____

Sampler's Signature: John S. West

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

Casing Elevation (feet/MSL): 3607 Volume in Casing (gal.): 2.8

Depth of Well (feet): 23.10 Calculate Purge Volume (gal.): 8.4

Depth to Water (feet): 5.83 Actual Purge Volume (gal.): 8.4+

Date Purged: 02-14-08 Date Sampled: 02-14-08 0820

TIME	VOLUME	pH	E. C.	TEMP.	TURBIDITY
0806	~	7.38	520	59.1	CLOUDY
0809	2.8	7.14	523	62.2	CLEAR
0811	5.6	7.09	528	63.5	CLEAR
0814	8.4	6.99	529	63.8	CLEAR

Sheen Y/N?: N Odor: NONE

Purging Equipment: WATERRA

Sampling Equipment: WATERRA

Remarks:

Sampler's Signature: John S. West

/Water Sample Sheet.wpd

APPENDIX B

Historical Groundwater Data

Groundwater Analytical Results

Alaska Gasoline

6211 San Pablo Avenue

Oakland, California

	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
MW-1												
November 7, 1999	5,700	170	59	22	85	20,000	NA	NA	NA	NA	NA	NA
March 8, 2001	17,000	480	150	52	170	38,000	NA	NA	NA	NA	NA	NA
November 17, 2001	10,000	230	210	60	250	22,000	NA	NA	NA	NA	NA	NA
March 31, 2002	12,000	61	ND	ND	29	35,000	NA	NA	NA	NA	NA	NA
September 9, 2003	19000	ND	ND	ND	ND	50000	NA	NA	NA	NA	NA	NA
December 9, 2003	22000	150	ND	ND	ND	66,000	NA	NA	NA	NA	NA	NA
MW-1R												
November 17, 2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
March 31, 2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
September 9, 2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
December 9, 2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 19-20, 2004	1,600	95	130	44	200	220	NA	NA	NA	NA	NA	NA
May 24-25, 2004	210	12	10	5.4	23	79	ND	ND	2.1	37	ND	ND
September 3, 2004	300	1.6	7.1	9.4	42	81	ND	ND	1.6	ND	ND	ND
November 2, 2004	290	14	30	9.5	45	45	ND	ND	1.1	ND	NA	NA
February 17, 2005	530	3.4	ND	ND	2.6	1000	ND	ND	100	ND	NA	NA
May 24 & 26, 2005	NA	NA	NA	NA	NA	NA	ND	ND	610	ND	ND	ND
August 15 & 17, 2005	2,500	64	240	61	210	2,300	ND	ND	210	ND	ND	ND
November 17, 2005	2,500	66	290	75	290	1,300	ND	ND	110	1,600	ND	ND
February 8, 2006	3,300	100	310	86	470	1,400	ND	ND	130	1,400	ND	ND
May 5, 2006	3,400	170	350	97	550	1,100	ND	ND	100	2,400	ND	ND
August 18, 2006	5,800	190	1,000	230	1,000	490	ND	ND	36	2,900	ND	ND
December 1, 2006	410	1.7	6.3	1.2	47	100	ND	ND	4.7	180	ND	ND
February 23, 2007	ND	ND	0.51	ND	1.4	2.6	ND	ND	ND	ND	ND	ND
May 10, 2007	ND	ND	ND	ND	2.0	5.9	ND	ND	ND	ND	ND	ND
August 16, 2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
November 8, 2007	1,300	11	82	54	270	1.4	ND	ND	ND	ND	ND	ND
February 14, 2008	600	7.6	31	23	150	1.7	ND	ND	ND	ND	ND	ND
MW-2												
November 7, 1999	6,000	1,300	92	50	400	6,800	NA	NA	NA	NA	NA	NA
March 8, 2001	41,000	6,100	870	2,000	4,100	26,000	NA	NA	NA	NA	NA	NA
November 17, 2001	18,000	3,700	180	610	640	16000	NA	NA	NA	NA	NA	NA
March 31, 2002	32,000	6,500	270	1700	2700	19000	NA	NA	NA	NA	NA	NA
September 9, 2003	24,000	4600	ND	1200	440	19000	NA	NA	NA	NA	NA	NA
December 9, 2003	31000	6200	170	1600	2700	19000	NA	NA	NA	NA	NA	NA
February 19-20, 2004	21,000	4,600	120	970	2,000	15,000	NA	NA	NA	NA	NA	NA
May 24-25, 2004	1,200	120	3	63	67	1,900	ND	ND	ND	ND	ND	ND
September 3, 2004	2,300	120	ND	51	70	1,700	ND	ND	26	ND	ND	ND
November 2, 2004	530	35	ND	17	30	520	ND	ND	25	100	NA	NA
February 17, 2005	16,000	2,100	31	800	660	20,000	ND	ND	1,000	ND	NA	NA
May 24 & 26, 2005	22,000	3,200	52	1,400	1,700	16,000	ND	ND	NS	NS	ND	ND
August 15 & 17, 2005	2,000	68	ND	46	47	2,400	ND	ND	95	680	ND	ND
November 17, 2005	760	18	0.64	15	13	1000	ND	ND	26	610	ND	ND
February 8, 2006	10,000	1,500	8	650	380	4,300	ND	ND	120	2,800	ND	ND
May 5, 2006	15,000	1,800	ND	1,200	1,200	5,800	ND	ND	150	4,300	ND	ND
August 18, 2006	360	11	ND	13	9.7	160	ND	ND	4.6	600	ND	ND
December 1, 2006	11,000	1,000	ND	950	910	2,100	ND	ND	87	2,000	ND	ND
February 23, 2007	3,200	210	ND	270	85	900	ND	ND	33	1,400	ND	ND
May 10, 2007	890	31	ND	39	22	200	ND	ND	5.9	260	ND	ND
August 16, 2007	650	49	ND	71	49	100	ND	ND	3.5	82	ND	ND
November 8, 2007	110	1.6	ND	1.9	1.6	23	ND	ND	0.64	46	ND	ND
February 14, 2008	350	24	ND	12	5.9	190	ND	ND	7.7	320	ND	ND
MW-3												
November 7, 1999	43,000	860	70	ND	65	120,000	NA	NA	NA	NA	NA	NA
March 8, 2001	90,000	1600	ND	ND	ND	210,000	NA	NA	NA	NA	NA	NA
November 17, 2001	110,000	1600	ND	ND	ND	300,000	NA	NA	NA	NA	NA	NA
March 31, 2002	130,000	2400	670	300	390	300,000	NA	NA	NA	NA	NA	NA
September 9, 2003	190000	1600	ND	ND	ND	420000	NA	NA	NA	NA	NA	NA
December 9, 2003	170000	2000	ND	ND	ND	4,500,000	NA	NA	NA	NA	NA	NA
February 19-20, 2004	68,000	1,800	630	ND	ND	160,000	NA	NA	NA	NA	NA	NA
May 24-25, 2004	120,000	2,200	ND	160	220	480,000	ND	ND	15,000	ND	ND	ND
September 3, 2004	180,000	2,000	ND	ND	ND	510,000	ND	ND	14,000	ND	ND	ND
November 2, 2004	150,000	1,700	ND	ND	ND	350,000	ND	ND	31,000	140,000	NA	NA
February 17, 2005	130,000	2,100	420	210	730	280,000	ND	ND	11,000	ND	NA	NA
May 24 & 26, 2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
August 15 & 17, 2005	110,000	1,500	ND	ND	ND	260,000	ND	ND	21,000	25,000	ND	ND
November 17, 2005	200,000	2,400	ND	ND	ND	580,000	ND	ND	24,000	48,000	ND	ND
February 8, 2006	470,000	3,800	660	ND	790	490,000	ND	ND	26,000	49,000	ND	ND
May 5, 2006	400,000	3,300	ND	ND	ND	590,000	ND	ND	21,000	86,000	ND	ND
August 18, 2006	310,000	1,800	ND	ND	ND	440,000	ND	ND	23,000	79,000	ND	ND
December 1, 2006	270,000	ND	ND	ND	ND	290,000	ND	ND	11,000	90,000	ND	ND
February 23, 2007	220,000	ND	ND	ND	ND	260,000	ND	ND	15,000	33,000	ND	ND
May 10, 2007	140,000	ND	ND	ND	ND	180,000	ND	ND	7,100	80,000	ND	ND
August 16, 2007	69,000*	ND	ND	ND	ND	85,000	ND	ND	3,400	180,000	ND	ND
November 8, 2007	34,000*	ND	ND	ND	ND	39,000	ND	ND	1,400	140,000	ND	ND
February 14, 2008	41000	ND	110	110	610.0	44,000	ND	ND	1,900	110,000	ND	ND

*Gasoline value due to MTBE

Groundwater Analytical Results

Alaska Gasoline

6211 San Pablo Avenue

Oakland, California

	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
MW-4												
November 17, 2001	64,000	960	1400	360	1600	140,000	NA	NA	NA	NA	NA	NA
March 31, 2002	78,000	4,400	4,700	690	2,700	150,000	NA	NA	NA	NA	NA	NA
September 9, 2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
December 9, 2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 19-20, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 24-25, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
September 3, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
November 2, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 17, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 24 & 26, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
August 15 & 17, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
November 17, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 8, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 5, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
August 18, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
December 1, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 23, 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 10, 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
September 6, 2007	49,000	710	840	ND	10,000	3,600	ND	ND	610	32,000	ND	ND
November 8, 2007	64,000	1,300	2,600	1,000	8,600	1,500	ND	ND	360	14,000	ND	ND
February 14, 2008	60,000	360	460	230	2,000	52,000	ND	ND	2000	58,000	ND	ND
MW-5												
November 17, 2001	210	15	12	11	23	4.8	NA	NA	NA	NA	NA	NA
March 31, 2002	120	11	7.4	6.1	16	4.2	NA	NA	NA	NA	NA	NA
September 9, 2003	ND	1.6	ND	ND	ND	1.7	NA	NA	NA	NA	NA	NA
December 9, 2003	130	32	ND	2.6	0.57	5	NA	NA	NA	NA	NA	NA
February 19-20, 2004	ND	ND	ND	ND	ND	1.6	NA	NA	NA	NA	NA	NA
May 24-25, 2004	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND
September 3, 2004	100	6.4	ND	ND	0.79	4.2	ND	ND	ND	ND	ND	ND
November 2, 2004	ND	2.6	ND	1.7	0.67	1	ND	ND	ND	ND	ND	ND
February 17, 2005	51	0.74	ND	0.94	ND	1.5	ND	ND	ND	ND	ND	ND
May 24 & 26, 2005	ND	ND	ND	ND	ND	1	ND	ND	NA	NA	ND	ND
August 15 & 17, 2005	ND	ND	ND	ND	ND	0.88	ND	ND	ND	ND	ND	ND
November 17, 2005	71	0.81	ND	1.1	ND	1.4	ND	ND	ND	ND	ND	ND
February 8, 2006	50	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND
May 5, 2006	ND	ND	ND	ND	ND	0.93	ND	ND	ND	ND	ND	ND
August 18, 2006	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND
December 1, 2006	ND	0.69	ND	ND	0.52	0.97	ND	ND	ND	ND	ND	ND
February 23, 2007	73	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND
May 10, 2007	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND
August 16, 2007	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
November 8, 2007	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND
February 14, 2008	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
MW-6												
November 17, 2001	3500	160	260	95	420	1500	NA	NA	NA	NA	NA	NA
March 31, 2002	3200	410	170	82	280	3000	NA	NA	NA	NA	NA	NA
September 9, 2003	800	49	ND	7.4	ND	1700	NA	NA	NA	NA	NA	NA
December 9, 2003	970	150	9.9	31	83	1200	NA	NA	NA	NA	NA	NA
February 19-20, 2004	1,900	280	56	17	160	2,700	NA	NA	NA	NA	NA	NA
May 24-25, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
September 3, 2004	1,100	27	ND	14	27	2,200	ND	ND	65	ND	ND	ND
November 2, 2004	1,600	32	ND	5	11	4,100	ND	ND	170	270	ND	ND
February 17, 2005	5,600	190	34	41	110	10,000	ND	ND	780	2,000	ND	ND
May 24 & 26, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
August 15 & 17, 2005	1,600	27	ND	6	23	3,800	ND	ND	300	3,600	ND	ND
November 17, 2005	1,100	30	ND	4	9	2,400	ND	ND	190	9,500	ND	ND
February 8, 2006	3,600	220	43	66	160	2,700	ND	ND	180	7,800	ND	ND
May 5, 2006	1,600	130	21	37	65	1,400	ND	ND	53	3,100	ND	ND
August 18, 2006	270	27	ND	3	4	240	ND	ND	11	2,400	ND	ND
December 1, 2006	1,700	ND	ND	ND	ND	1,700	ND	ND	92	600	ND	ND
February 23, 2007	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
May 10, 2007	ND	3.8	ND	ND	1.9	26	ND	ND	2	48	ND	ND
August 16, 2007	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND
November 8, 2007	ND	ND	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND
February 14, 2008	ND	ND	ND	ND	ND	11	ND	ND	0.94	220	ND	ND

Groundwater Analytical Results

Alaska Gasoline

6211 San Pablo Avenue

Oakland, California

	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
EX-1												
February 19-20, 2004	120,000	9,500	4,300	840	3,900	150,000	NA	NA	NA	NA	NA	NA
May 24-25, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
September 3, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
November 2, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 17, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 24 & 25, 2005	NA	NA	NA	NA	NA	NA	ND	ND	NS	NS	NS	NS
August 15 & 17, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
November 17, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 8, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 5, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
August 18, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
December 1, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 23, 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 10, 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
August 16, 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
November 8, 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX C

Certified Analytical Reports for Groundwater Sampling

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: Red Ratilainen

Client Project ID: Alaska Gas - Oakland
Reference Number: 10871
Sample Description: Water
Sample Prep/Analysis Method: EPA 5030/8015B, 8021B
Lab Numbers: 10871-1W, 2W, 3W, 4W, 5W

Sampled: 02-14-08
Received: 02-15-08
Extracted: 02-19-08
Analyzed: 02-19-08
Reported: 02-28-08

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT (ug/L)	SAMPLE ID EX-1 (ug/L)	SAMPLE ID MW-1R (ug/L)	SAMPLE ID MW-2 (ug/L)	SAMPLE ID MW-3 (ug/L)	SAMPLE ID MW-4 (ug/L)
MTBE	0.50	4500	ND	220	40000	55000
BENZENE	0.50	2300	7.6	24	ND	390
TOLUENE	0.50	4900	31	ND	110	460
ETHYL BENZENE	0.50	1800	23	12	110	230
TOTAL XYLENES	0.50	14000	150	5.9	610	2000
GASOLINE RANGE HYDROCARBONS	50	84000	800	350	41000	60000
Report Limit Multiplication Factor:		200	2	1	200	100
Report Limit Multiplication Factor for MTBE only:				5	2000	2000

Surrogate % Recovery:	FID: 116% / PID: 106%	FID: 131% / PID: 118%	FID: 118% / PID: 121%	FID: 96.2% / PID: 95.9%	FID: 92.5% / PID: 112%
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: _____

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

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: Red Ratilainen

Client Project ID: Alaska Gas - Oakland
Reference Number: 10871
Sample Description: Water
Sample Prep/Analysis Method: EPA 5030/8015B, 8021B
Lab Numbers: 10871-6W, 7W

Sampled: 02-14-08
Received: 02-15-08
Extracted: 02-19-08
Analyzed: 02-19-08
Reported: 02-28-08

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT (ug/L)	SAMPLE ID MW-5 (ug/L)	SAMPLE ID MW-6 (ug/L)
MTBE	0.50	1.1	9.3
BENZENE	0.50	ND	ND
TOLUENE	0.50	ND	ND
ETHYL BENZENE	0.50	ND	ND
TOTAL XYLENES	0.50	ND	ND
GASOLINE RANGE HYDROCARBONS	50	ND	ND
Report Limit Multiplication Factor:		1	1

Surrogate % Recovery:	PID: 94.9% / PID: 107%	PID: 90.6% / PID: 105%
Instrument ID:	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: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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 Gas - Oakland	Method: EPA 5030/8015M,8020
P.O. Box 229	Reference Number: 10871	Instrument ID: Var-GC1
Bass Lake, CA 93604	Sample Description: Water	Extracted: 02-19-08
Attn: Red Ratilainen	Analyst: Jim Phillips	Analyzed: 02-19-08
		Reported: 02-28-08

QUALITY CONTROL DATA REPORT

ANALYTE	Gasoline	MTBE	Benzene	Toluene	Ethyl Benzene	Total Xylenes
Spike Concentration:	220	3.68	2.64	19.4	4.04	23.2
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LCS Batch #:	VW-2198	VW-2198	VW-2198	VW-2198	VW-2198	VW-2198
LCS % Recovery:	90.8%	93.3%	89.3%	88.9%	75.4%	82.1%
Surrogate Recovery:	108%	117%	117%	117%	117%	117%
Control Limits:	70-130 %	70-130 %	70-130 %	70-130 %	70-130 %	70-130 %
MS/MSD Batch #:	VW-2198	VW-2198	VW-2198	VW-2198	VW-2198	VW-2198
Spike Concentration:	220	3.68	2.64	19.4	4.04	23.2
MS % Recovery:	69.2%	120%	78.8%	77.0%	76.2%	85.6%
Surrogate Recovery:	101%	108%	108%	108%	108%	108%
MSD % Recovery:	74.2%	403%	80.7%	77.4%	79.9%	89.7%
Surrogate Recovery:	107%	114%	114%	114%	114%	114%
Relative % Difference:	5.53%	104%	2.32%	0.561%	4.60%	4.59%
Method Blank :	ND	ND	ND	ND	ND	ND
Surrogate Recovery:	94.9%	108%	108%	108%	108%	108%

The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clan 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: Alaska Gas - Oakland	Sampled: 02-14-08
P.O. Box 229	Reference Number: 10871	Received: 02-15-08
Bass Lake, CA 93604	Sample Description: Water	Extracted: 02-24-08
Attn: Red Ratilainen	Sample Prep/Analysis Method: EPA 5030/8260B	Analyzed: 02-24-08
	Lab Numbers: 10871-1W, 2W, 3W, 4W, 5W	Reported: 02-28-08

GASOLINE ADDITIVES AND SOLVENTS BY EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT (µg/L)	SAMPLE ID EX-1 (µg/L)	SAMPLE ID MW-1R (µg/L)	SAMPLE ID MW-2 (µg/L)	SAMPLE ID MW-3 (µg/L)	SAMPLE ID MW-4 (µg/L)
FUEL OXYGENATES						
Methyl tert-Butyl Ether (MTBE)	0.50	3900	1.7	190	44000	52000
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	610	ND	7.7	1900	2000
tert-Butanol (TBA)	20	10000	ND	320	110000	58000
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:		200*	1	1	200*	100*
Report Limit Multiplication Factor MTBE only:				5	2000	1000

**Increased reporting limit due to matrix interferences.*

Surrogate Recoveries					
1,2-Dichloroethane-d4	98.4%	97.4%	99.1%	105%	104%
Toluene-d8	97.2%	99.0%	97.9%	98.1%	95.1%

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

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: Alaska Gas - Oakland	Sampled: 02-14-08
P.O. Box 229	Reference Number: 10871	Received: 02-15-08
Bass Lake, CA 93604	Sample Description: Water	Extracted: 02-24-08
Attn: Red Ratilainen	Sample Prep/Analysis Method: EPA 5030/8260B	Analyzed: 02-24-08
	Lab Numbers: 10871-6W, 7W	Reported: 02-28-08

GASOLINE ADDITIVES AND SOLVENTS BY EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT (µg/L)	SAMPLE ID MW-5 (µg/L)	SAMPLE ID MW-6 (µg/L)
FUEL OXYGENATES			
Methyl tert-Butyl Ether (MTBE)	0.50	1.3	11
Di-isopropyl Ether (DIPE)	0.50	ND	ND
Ethyl tert-Butyl Ether (ETBE)	0.50	ND	ND
tert-Amyl Methyl Ether (TAME)	0.50	ND	0.94
tert-Butanol (TBA)	20	ND	220
VOLATILE HALOCARBONS & AROMATICS			
1,2-Dichloroethane (1,2-DCA)	0.50	ND	ND
Ethylene Dibromide (EDB)	0.50	ND	ND
Report Limit Multiplication Factor:		1	1

Surrogate Recoveries		
1,2-Dichloroethane-d4	108%	104%
Toluene-d8	98.7%	93.1%

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

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: Alaska Gas - Oakland	Method: EPA 5030/8260
P.O. Box 229	Reference Number: 10871	Instrument ID: HP 5972 MS
Bass Lake, CA 93604	Matrix: Water	Prepared: 02-24-08
Attn: Red Ratilainen	Analyst: Clari Cone	Analyzed: 02-24-08
		Reported: 02-28-08

QUALITY CONTROL DATA REPORT

SPIKE ID: VWMS-2248

	Reporting Limit µg/L	BLANK Result µg/L	Spiking Level µg/L	Control Spike %R	%R Limits
COMPOUNDS					
t-Butyl Alcohol (t-BA)	20	ND	75.0	93.3%	27.2 - 178.4
Methyl t-butyl ether (MTBE)	0.50	ND	2.50	88.0%	59.7 - 153.0
Diisopropyl ether (DIPE)	0.50	ND	2.50	98.8%	72.1 - 129.6
Ethyl t-Butyl ether (ETBE)	0.50	ND	2.50	98.4%	68.1 - 130.8
t-Amyl methyl ether (TAME)	0.50	ND	2.50	103%	60.2 - 137.1
1,2-Dichloroethane (1,2-DCA)	0.50	ND	2.50	118%	91.2 - 137.6
Ethylene dibromide (EDB)	0.50	ND	2.50	83.2%	69.5 - 128.9
Surrogates:					
1,2-Dichloroethane-d4	1.0	103%	10.0	111%	81.7 - 125.4
Toluene-d8	1.0	93.6%	10.0	93.7%	90.3 - 112.6

	Spiking Level µg/L	MATRIX SPIKE %R	MATRIX SPIKE DUP %R	%R Limits	%RPD
COMPOUNDS					
t-Butyl Alcohol (t-BA)	75.0	57.9%	76.9%	45.1 - 151.2	11.4%
Methyl t-butyl ether (MTBE)	2.50	NA*	NA*	70.9 - 144.1	NA*
Diisopropyl ether (DIPE)	2.50	103%	106%	73.6 - 126.5	1.23%
Ethyl t-Butyl ether (ETBE)	2.50	107%	101%	74.8 - 128.1	5.38%
t-Amyl methyl ether (TAME)	2.50	90.4%	88.0%	62.5 - 118.6	1.80%
1,2-Dichloroethane (1,2-DCA)	2.50	NA*	NA*	85.4 - 144.6	NA*
Ethylene dibromide (EDB)	2.50	98.8%	113%	73.3 - 125.1	10.8%
Surrogate:					
1,2-Dichloroethane-d4	10.0	80.1%	82.2%	80.2 - 126.9	2.59%
Toluene-d8	10.0	95.6%	101%	82.6 - 114.9	5.59%

**Matrix spike values not calculated due to high matrix sample values.*

The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

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

Customer: ALASKA GAS
Address:
City/State/ZIP: OAKLAND
Phone / FAX:
Proj # / P.O. #:
Report Attention: REO
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
10871-1W	EX-1	02-14	1013		G	L	X	X			X							3	
2W	MW-1R		0752																
3W	MW-2		0835																
4W	MW-3		0725																
5W	MW-4		0930																
6W	MW-5		0856																
7W	MW-6		0820																

Method of Shipment:

Notes:

	Signature	Printed Name	Date	Time	Company Name
Relinquished by:	John S. West	JOHN S. WEST	02-15	1415	HERSCHY ENV
Received by:		Adriana Magaña	2-15-08	1415	Castle Analytical Lab.
Relinquished by:					
Received by:					
Relinquished by:					
Received by:					

28 Total number of containers submitted to the laboratory

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

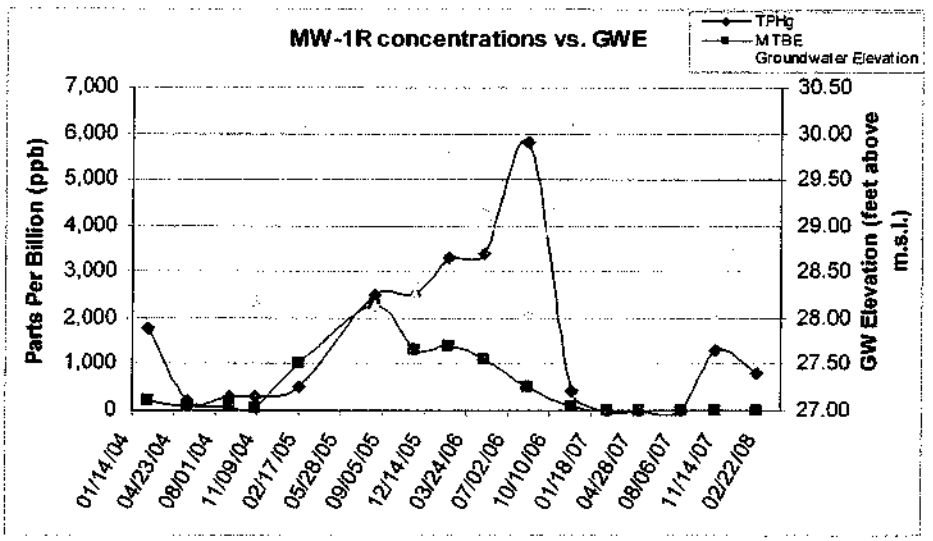
RESULTS DUE : _____

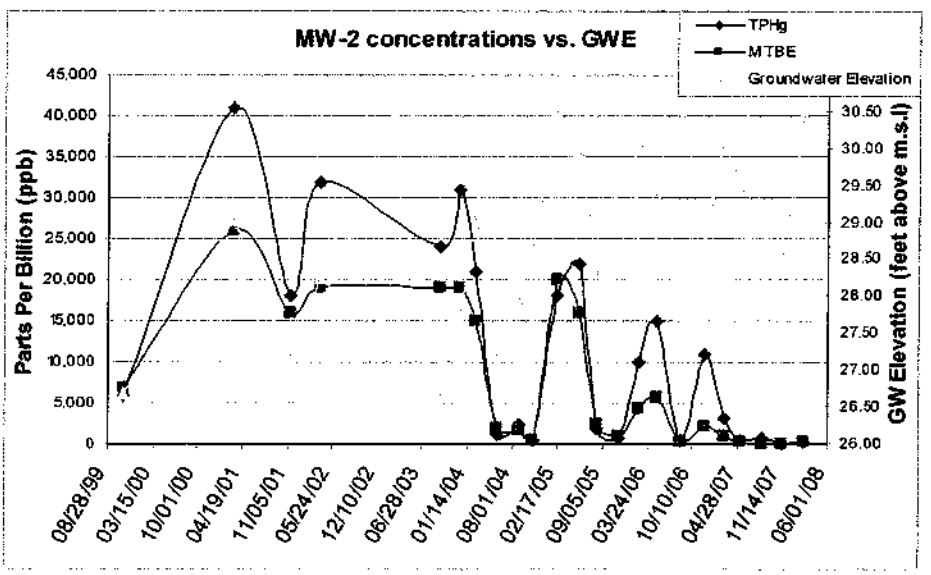
☐ VERBAL ☐ WRITTEN

APPENDIX D

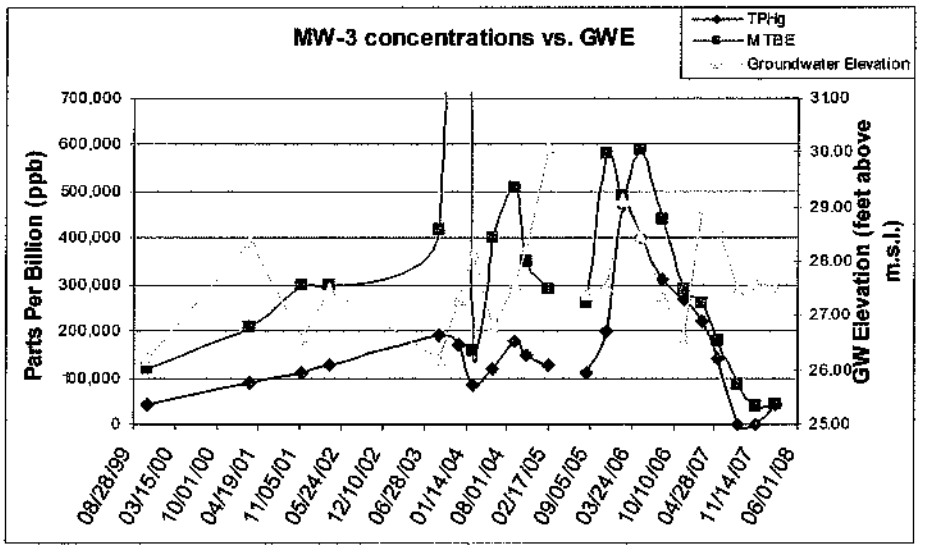
Concentration Trend Graphs

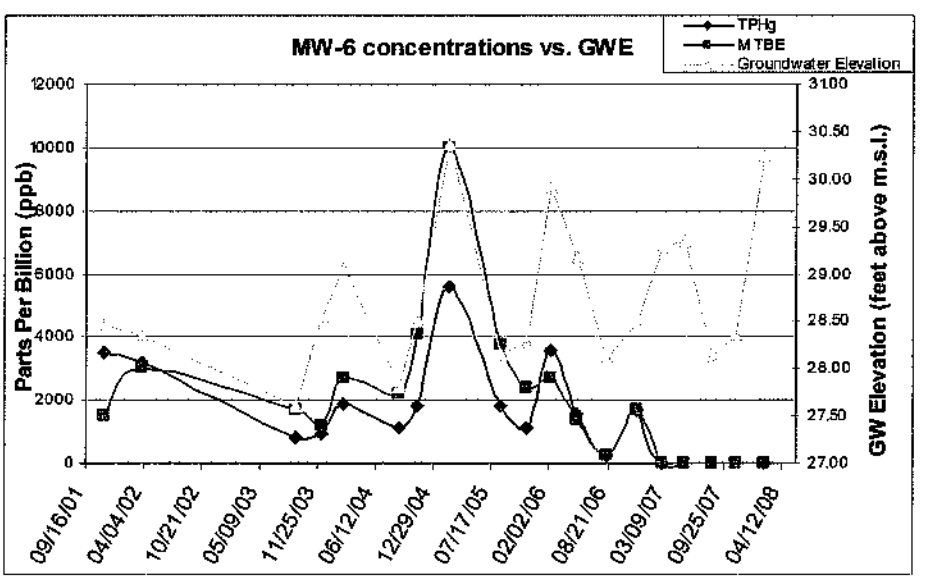
TPHg and MTBE Concentration Trends in Groundwater for Selected Wells (Page 1 of 3)



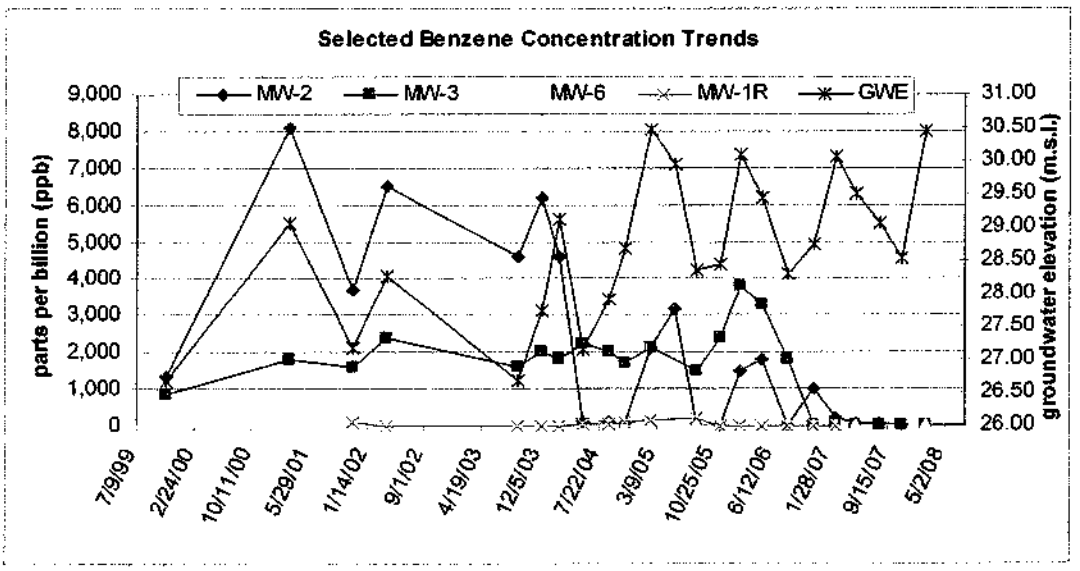


TPHg and MTBE Concentration Trends in Groundwater for Selected Wells (Page 2 of 3)





Benzene Concentration Trends in Groundwater for Selected Monitoring Wells (Page 3 of 3)



APPENDIX E

E-mail Correspondence with the City of Oakland Housing Authority

From:	Reijo Ratilainen	Sent:	Thu 3/27/2008 2:22 PM
To:	ejohnson@oakha.org		
Cc:	Scott Jackson		
Subject:	Re: Access Agreement Request		
Attachments:	Alaska Gas - Base Map.pdf(263KB) 08-29-07 - Alaska Gas - Site Update to ACEHS.pdf(828KB) RO127_Directpushsoilandgwassessment_2006-11-16.pdf(273KB) Direct Push Response Nov 06.pdf(68KB)		

Re: Access Agreement Request
1126 62nd Street, Oakland CA 94612
APN# 016-145501600

Mr. Johnson,

Per our conversation yesterday (3/26/08) I'm writing to provide a few reference documents. To reiterate, HerSchy Environmental, Inc., on behalf of the property owner Alaska Gasoline, at 6211 San Pablo Ave, Oakland, CA, is requesting limited access to the Oakland Housing Authority property above. There is an ongoing environmental investigation associated with the Alaska Gas Station. As part of that investigation we are investigating soil and groundwater conditions in the immediate vicinity of the property.

The details of our methods of investigation are included in the attached documents. To summarize the extent of our request, HerSchy is looking to advance one 4-inch soil boring, by hand, in the parking area at the south end of the lot approximately 3-7 feet from the property boundary with 6211 San Pablo Avenue (see figures, attached). The soil boring would extend to approximately 12-15 feet below the ground surface. A 6-inch saw-cut hole would be made in the existing concrete pad to allow access to the soil below, which would be repaired upon completion of our sampling.

I've included a copy of the original workplan, the Alameda County - Environmental Health Services Approval, and the most recent request for modification of approved work. These documents should elaborate on the purpose of this work as well as some of the other specifics.

Please don't hesitate to call or write with any questions or clarifications.

Thanks in advance for your help with this matter, it is greatly appreciated.

Reijo

Reijo Ratilainen
Project Geologist
HerSchy Environmental, Inc.
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fax: 510.724.8355
ReijoRHerSchy@STI.net