

ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants 131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111 Fax: (408) 292-2116

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March 19, 2001

APR 0 4 2001

File No. 2-00-706-ST

Mr. Amir K. Gholami

Alameda County Health Care Services Agency Environmental Health Services Environmental Protection 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577

Mary to

SUBJECT: SOIL & GROUNDWATER INVESTIGATION AT THE PROPERTY

> Located at 20570 Stanton Avenue, in Castro Valley, California

Dear Mr. Gholami:

This letter in response to your comments in a letter dated March 15, 2001, regarding ESTC's report entitled "Preliminary Soil & Groundwater Assessment" dated October 13, 2000. The followings are responses to your comments:

- Item 1: BTEX concentrations were analyzed by EPA Method 8260B for soil and groundwater, but they were detected below laboratory detection limit. Please see the laboratory report in ESTC's October 13, 2000 report.
- Item 2: Again, BTEX concentrations were analyzed by EPA Method 8260B. Please see the laboratory report in ESTC's October 13, 2000 report.

- Item 3: Yes, monitoring STMW-1 is located down-gradient.
- Item 4: BH-1 in the plat plan is not a well but a boring.
- Item 5: Please see the enclosed copy of boring logs for the unified soil classification drawings.
- Item 6: Per attached calculation, the speed of groundwater flow found to be approximately 0.00258 ft./day.
- Item 7: We will contact your office 48 hours prior to scheduling any future field works.

If you have any questions or require additional information, please feel free to contact our office at 408-297-1500,

Sincerely,

ENVIRO SOIL TECH CONSULTANTS

FRANK HAMÉDI-FARD GENERAL MANAGER

cc: Mr. Sean Kapoor, Stop 'N Save, Inc., 25064 Viking Street, Hayward, CA 94545

TABLE T SUMMARY OF SOIL SAMPLES ANALYTICAL RESULTS (mg/Kg)

Date	Sample No.	Depth (feet)	TPHg	В	T	E	Х	MTBE	EPA 8260B	
	1.5	(1000)	18	ND<0.25	ND<0.25	ND<0.25	1.1	1.5	1,2,4-Trimethylbenzene	0.48
9/20/00	1-5		76	ND<1	ND<1	ND <i< td=""><td>7.7</td><td>1.6</td><td>1,2,4-Trimethylbenzene</td><td>5.8</td></i<>	7.7	1.6	1,2,4-Trimethylbenzene	5.8
	1-10	10	/0	MD~I	IND VI				1,2,5-Trimethylbenzene	1.7
									Naphthalene	2
			EASHWILL DE WAREN			Decarded to the second	2.15 40.005	NID <0.005	None Detected	< 0.005
9/20/00	2-5	5	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005		
3120.00	2-10	10	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	1,2,4-Trimethylbenzene	0.0095
	3.5	5	1.3	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	None Detected	<0.005
9/20/00	3-5	10		ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	None Detected	< 0.005
	3-10	10	ND<1	ניסט.ט>עוזו	140 40.003	110 0.000		economic de la company		. A THE SECTION OF STREET
	4-5	5	NR>18	ND<0.01	ND<0.1	ND<0.01	ND<0.01	0.3	tert-Butanol	0.5
9/20/00	4-10	10	ND<1	0.02	ND<0.02	ND<0.02	ND<0.02	0.16	1,2,4-Trimethylbenzene	0.02

TPHg - Total Petroleum Hydrocarbons as gasoline

MTBE - Methyl Tertiary Butyl Ether

EPA 8260B - Petroleum Hydrocarbons Constituents

BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes ND - Not Detected (Below Laboratory Detection Limit)

FABLE 2 GROUNDWATER MONITORING DATA (feet) AND ANALYTICAL RESULTS (mg/L)

									<u> </u>			
Date	Well No./	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	ТРНд	В	T <05%	E <2500	X (2.52)	
10/04/00	STMW-1	23	14	8.34	89.59	No sheen Light petroleum odor	60	ND<2.5	ND<2.5	ND<2.5	ND<2.5	69 6-70= P1
10/04/00	STMW-2	22	13	8.22	90.62	140 Sheen or odor	0.002	<0.005	<0.005	< 0.005	<0.005	68
10/04/00	STMW-3	22	13	8.42	91.18	No sheen or odor	ND<0.05	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.005

TPHg - Total Petroleum Hydrocarbons as gasoline

MTBE - Methyl Tertiary Butyl Ether

NMFP - Non-Measurable Floating Product

NA - Not Analyzed

BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes

GW Elev. - Groundwater Elevation

12500

Perf. - Perforation

ND - Not Detected (Below Laboratory Reporting Limit)

TABLE 2 CONT'D GROUNDWATER ANALYTICAL RESULTS FOR PETROLEUM HYDROCARBONS CONSTITUENTS IN MILLIGRAM PER LITER (mg/L)

	0	_,
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Date	Well No.	Petroleum Hydrocarbons Constituents	Detection
10/04/00	/ STMW-1	Methyl tert-butyl Ether	69
	STMW-2	Methyl tert-butyl Ether	0.066
10/04/00	distribution of all the second of the second	en eta eta eta eta inimiario de anteste de tenare e de se en el como e e de en anteste e e en antesta de entre en esta	< 0.005
10/04/00	STMW-3	None Detected	40.005

Logged (By: Fra	nk Hamedi		Exploratory Boring Log		Boring No. STMW_1		
Date Dril	9/2	0/2000		Approx. Elevation		Boring Diameter 8-inch		
Dritting N		obile dri	ll rig	B-40L	Sampling Method	O Ziacii		
Depth, Ft. Sample No	Field Test for Total Ionization	Penetration Resistance Blows/6"	Unified Soff Classification	DESC	CRIPTION			
-			CL	2-inch asphalt, clay (baserock) Dark brown silt	2-inch asphalt, 6-inch greenish sandy gravel with some clay (baserock). Dark brown silty clay, damp, stiff.			
				Light brown silty clay, damp, stiff. Petroleum odor.				
5 1-5			ar ar	Light brown gra	vely sandy silty	v clay (weatherize rock).		
7 8 9 10-1-1	0		СL	Light brown sil	ty clay with few	small pea gravel.		
12				_∇ First gro	undwater encount	cered at 12 feet.		
14			CL	Dark brown silt	y clay, stiff.			
Remarks				<u> </u>				

Lor	Date Drilled. 0/20/2000				Exploratory Boring Log		Boring No. STM	IW-1
Dat	.• DrIII	¹ •d. 9/2	20/2000		Approx. Elevation		Boring Diameter	8-inch
Dril	iling M	Method				Sampling Method	<u> </u>	
-		Mob	oile drill	l rig B-	-40L			
Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/Ft.	Uniffed Soli Classification	DES	CRIPTION		
		 		CL.	Dark brown silt			
17	i '							
18	ļ 							
19								
20								
21								
22								
23				ļ	Boring terminat	ed at 23 feet.		
24			i					
25								
26								
27			i					
28								
29								
30								
31								
32								
Rem	narks	1					<u></u>	

Lo	gged	פילים By: קרים	nk Hamedi								
'Da	le Drii	lad.			Exploratory Boring Log Approx. Elevation		Boring No. STMW-2				
	llie		1/2000		- Abiav Fiesendii		Boring Diameter 8-inch				
Dril	iling &	Mok	oile drill	rig B-	40L	Sampling Method					
Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/6"	Unifiled Soff Classification:	DESCRIPTION						
1 2				CL	2-inch asphalt, 6-inch greenish sandy gravel with some clay (baserock). Dark brown silty clay, damp, stiff.						
3					Light brown silty clay, damp, stiff. Petroleum odor.						
	2-5			CT							
7 -				СГ	Light brown grav	ely sandy clay (we	eatherize rock).				
9 10 ₋₂	2-10			CL	Light brown silt	y clay with some s	small pea gravel.				
12					_∇ First ground	dwater encountered	at 12 feet.				
14 15 16				CT CT	Dark brown silty	clay, stiff.					
Bemi	Remarks										

, Los	oggod By Frank Hamedi			L	Exploratory Boring Log		Boring No. STMW-2		
Dal	• Drille	9/21	/2000		Approx. Elevation		Boring Diameter 8-inch		
Driil	ling Mi		le drill	rig B-	40L	Sampling Method			
Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/Ft.	Uniffed Soil Clessification	DESC	CRIPTION			
				CL	Dark brown silt				
η 7 ·									
h 8 .									
19									
20									
21.	ī								
22.					Boring termina	ted at 22 feet.			
23.									
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27									
28		:							
29	1								
30									
31	+								
32									
Ri] amarks								

<u> </u>	gged (++01	nk Hamedi		Exploratory Boring Log		Boring No. SIMW-3	
Dal	te Drii	9/2	1/2000		Approx. Elevation		Boring Diameter 8-inch	
Dril	limg M					Sampling Method		
	<u> </u>	Mob:	ile drill	rig B-	40L			
Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/6"	Unified Soil Classification	DESC	CRIPTION		
1 2				СL	2-inch asphalt, 6-inch greenish sandy gravel with some clay (baserock). Dark brown silty clay, damp, stiff.			
3 4					Light brown silty clay, damp, stiff.			
5	3-5			CL				
6					Petroleum odor.			
8				CL	Light brown grav	ely sandy clay ((weatherize rock).	
10	3-1)		CL	Light brown silt	y clay with some	e small pea gravel.	
12					✓ First ground	Water encountere	ed at 12 feet.	
14				CL	Dark brown silty	clay, stiff.		
16								
Ren	narks							

Lo	gged E	^{)y:} Fra	nk Hamedi		Exploratory Boring Log		Boring No. STMW-3
Da	ite Driii		1/2000		Approx. Elevation		Boring Diameter
Dr	illing M		172000				8-inch
			le drill	rig B-	40L	Sampling Method	
Depth, Ft.	Ž	Test fal tion	ation ance /Ft.	Soff	ļ		
Q Pepi	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/Ft.	Unified Soti Classification			
					DESC	RIPTION	
17.				СГ	Dark brown silt	y clay, stiff.	
					*		
18							
19							
20							
21							
22					Boring terminate	d at 22 feet.	
23						·	
24							
25							
26							
27							
28							
29							
30							
31							
32							
Remi	erks						

Lo	000d E	y: Fra	nk Hamedi		Exploratory Boring Log		Boring No. B-4			
Da	te Drill	9/2	2/2000		Approx. Elevation		Boring Diameter 8-inch			
Dri	lling M		le drill	rig B-4	:0L	Sampling Method				
Depth, Ft.	Sample No	Field Test for Total Ionization	Penetrallon Restatance Blows/6"	Unifled Soil Classification	DESC	CRIPTION				
1				CL	2-inch asphalt, 6-inch greenish sandy gravel with some clay (baserock). Dark brown silty clay, damp, stiff.					
3 4					Light brown silty clay, damp, stiff.					
5 7 7 8	4-5			CL	Petroleum odor. Light brown grav	vely sandy clay	(weatherize rock).			
9 10 11 12	4-10			CL	Light brown silt		ne small pea gravel. red at 12 feet.			
13 14 15				q	Dark brown silty Boring terminate	clay, stiff.				
	Remarks									