



ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants
131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111
Tel: (408) 297-1500 Fax: (408) 292-2116

March 19, 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

APR 04 2001

STID 4097
Response to
7/12/01
AK

**SUBJECT: SOIL & GROUNDWATER INVESTIGATION
AT THE PROPERTY**
Located at 20570 Stanton Avenue, in
Castro Valley, California

20179

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.

Mr. Amir K. Gholami
March 19, 2001

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 HAMEDI-FARD
GENERAL MANAGER

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

TABLE 1
SUMMARY OF SOIL SAMPLES
ANALYTICAL RESULTS (mg/Kg)
ppm

Date	Sample No.	Depth (feet)	TPHg	B	T	E	X	MTBE	EPA 8260B
9/20/00	1-5	5	18	ND<0.25	ND<0.25	ND<0.25	1.1	1.5	1,2,4-Trimethylbenzene 0.48
	1-10	10	76	ND<1	ND<1	ND<1	7.7	1.6	1,2,4-Trimethylbenzene 5.8 1,2,5-Trimethylbenzene 1.7 Naphthalene 2
9/20/00	2-5	5	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	None Detected <0.005
	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
9/20/00	3-5	5	1.3	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	None Detected <0.005
	3-10	10	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	None Detected <0.005
9/20/00	4-5	5	ND<1	ND<0.01	ND<0.1	ND<0.01	ND<0.01	0.3	tert-Butanol 0.5
	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)

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

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg	B	T	E	X	MTBE
10/04/00	STMW-1 (97.93)	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 6700-PP
10/04/00	STMW-2 (99.04)	22	13	8.22	90.82	No sheen or odor	0.069	ND <0.005	ND <0.005	ND <0.005	ND <0.005	0.066 66 PP
10/04/00	STMW-3 (99.60)	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 5 PP

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
 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)

ppm

59000 PPB
→

Date	Well No.	Petroleum Hydrocarbons Constituents	Detection
10/04/00	STMW-1	Methyl tert-butyl Ether	69
10/04/00	STMW-2	Methyl tert-butyl Ether	0.066
10/04/00	STMW-3	None Detected	<0.005

Logged By: Frank Hamedi	Exploratory Boring Log	Boring No. STMW-1
Date Drilled: 9/20/2000	Approx. Elevation	Boring Diameter 8-inch

Drilling Method Mobile drill rig B-40L	Sampling Method
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Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/6"	Unified Soil Classification	DESCRIPTION
1				CL	2-inch asphalt, 6-inch greenish sandy gravel with some clay (baserock). Dark brown silty clay, damp, stiff.
2					
3					
4					Light brown silty clay, damp, stiff. Petroleum odor.
5	1-5			CL	
6				CL	Light brown gravelly sandy silty clay (weatherize rock).
7					
8					
9					Light brown silty clay with few small pea gravel.
10	1-10			CL	
11					
12					▽ First groundwater encountered at 12 feet.
13					
14					
15					
16				CL	Dark brown silty clay, stiff.

Remarks

Logged By: 9/20/2000		Exploratory Boring Log		Boring No. STMW-1	
Date Drilled: 9/20/2000		Approx. Elevation		Boring Diameter: 8-inch	
Drilling Method: Mobile drill rig B-40L			Sampling Method		
Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/Ft.	Unified Soil Classification	DESCRIPTION
17				CL	Dark brown silty clay, stiff. Boring terminated at 23 feet.
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
Remarks					

Logged By: Frank Hamedi	Exploratory Boring Log	Boring No. STMW-2
Date Drilled: 9/21/2000	Approx. Elevation	Boring Diameter 8-inch

Drilling Method: Mobile drill rig B-40L	Sampling Method
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Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/6"	Unified Soil Classification	DESCRIPTION
1				CL	2-inch asphalt, 6-inch greenish sandy gravel with some clay (baserock), Dark brown silty clay, damp, stiff.
2					
3					Light brown silty clay, damp, stiff. Petroleum odor.
4					
5	2-5			CL	
6				CL	Light brown gravelly sandy clay (weatherize rock).
7					
8					
9					
10	2-10			CL	Light brown silty clay with some small pea gravel.
11					
12					▽ First groundwater encountered at 12 feet.
13					
14					
15				CL	Dark brown silty clay, stiff.
16					

Remarks

Logged By Frank Hamedi	Exploratory Boring Log	Boring No. STMW-2
Date Drilled 9/21/2000	Approx. Elevation	Boring Diameter 8-inch

Drilling Method Mobile drill rig B-40L	Sampling Method
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Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/Ft.	Unified Soil Classification	DESCRIPTION
17				CL	Dark brown silty clay, stiff.
18					
19					
20					
21					
22					Boring terminated at 22 feet.
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

Remarks

Logged By: Frank Hamedi		Exploratory Boring Log		Boring No. SIMW-3	
Date Drilled: 9/21/2000		Approx. Elevation		Boring Diameter 8-inch	
Drilling Method Mobile drill rig B-40L			Sampling Method		
Depth, Ft.	Sample No	Field Test for total Ionization	Penetration Resistance Blows/6"	Unified Soil Classification	DESCRIPTION
1				CL	2-inch asphalt, 6-inch greenish sandy gravel with some clay (baserock). Dark brown silty clay, damp, stiff.
2					
3					Light brown silty clay, damp, stiff.
4					
5	3-5			CL	
6					Petroleum odor.
7				CL	Light brown gravelly sandy clay (weatherize rock).
8					
9					
10	3-10			CL	Light brown silty clay with some small pea gravel.
11					
12					▽ First groundwater encountered at 12 feet.
13					
14				CL	Dark brown silty clay, stiff.
15					
16					
Remarks					

Logged By: Frank Hameddi	Exploratory Boring Log	Boring No. STMW-3
Date Drilled: 9/21/2000	Approx. Elevation	Boring Diameter 8-inch

Drilling Method Mobile drill rig B-40L	Sampling Method
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Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/Ft.	Unified Soil Classification	DESCRIPTION
17				CL	Dark brown silty clay, stiff.
18					
19					
20					
21					
22					Boring terminated at 22 feet.
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

Remarks

Logged By: Frank Hamedi	Exploratory Boring Log	Boring No. B-4
Date Drilled: 9/22/2000	Approx. Elevation	Boring Diameter 8-inch

Drilling Method Mobile drill rig B-40L	Sampling Method
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Depth, Ft.	Sample No	Field Test for Total Ionization	Penetration Resistance Blows/6"	Unified Soil Classification	DESCRIPTION
1				CL	2-inch asphalt, 6-inch greenish sandy gravel with some clay (baserock). Dark brown silty clay, damp, stiff.
2					
3					Light brown silty clay, damp, stiff.
4					
5	4-5			CL	Petroleum odor.
6					Light brown gravelly sandy clay (weatherize rock).
7					
8					
9					
10	4-10			CL	Light brown silty clay with some small pea gravel.
11					
12					▽ First groundwater encountered at 12 feet.
13					
14				CL	Dark brown silty clay, stiff.
15					Boring terminated at 15 feet.
16					

Remarks