

SEISO Engineering and Inspection Services

Professional Member

International Conference of Building Officials

1187 Ocean Avenue

Emeryville, California 94608

(510) 547-8540 FAX (510) 527-7785

Industrial, Civil, Structural and Architectural Engineering, Construction Management, Hazardous Material Removal & Remediation

ENVIRONMENTAL PROTECTION
00 MAR -9 AM 11:47

David Benaroya Helfant, Ph.D., M.ASCE, ICBO

Environmental, Seismic and Drainage Design
Structural and Engineering Inspections

Eric M. Cox, SE

Structural Engineering, Construction Management

Michael S. Noell, M.Arch., A.I.A.

Architecture and Planning

March 6, 2000

TO: Mssrs. Mel Bolin and Virgil Bolin, Owners
6335 San Pablo Avenue, Oakland, CA 94608, Stid 1685
Mr. Ariu Levy, Division Chief
Environmental Protection Division, ACHCSA

RE: Removal of Contaminated Soils, former tank site #1

Gentlemen:

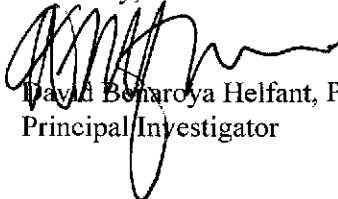
On January 6, 2000, I met with Mr. Ariu Levy concerning your plans for removal of contaminated soils noted during our sampling at two former tank, dispenser and product line sites of small underground gasoline storage tanks [a 500 gallon tank and a 1,000 gallon tank] that, under permit, received county closure in 1988. The sampling was done in accordance with the county's letter dated April 2, 1999, in which analyses for "benzene, toluene, ethyl benzene, xylene [BTEX], lead, and methyl-tert-butyl ether [MTBE]" were requested.

The results of our sampling indicated a residue of these contaminants is found in the location of the former #1 tank dispenser, beneath its product line, and near the east edge of the former #1 tank site. [See Site and Sampling Plan attached and lab results attached.] The groundwater sample from the sampling well showed a residue of these contaminants as well.

Based on my discussion with Mr. Levy, we understand that in these areas the contaminated soils should be removed until the end line of the contaminated soil line is reached. The contaminated soil removed must be transported under manifest to an approved landfill site. The attached site plan highlights the areas to be excavated. After excavation the areas immediately adjacent to the excavations must be sampled and analyzed for the above referenced contaminants. A liquid sample from the groundwater sampling well should also be analyzed. After analyses are done, and clean conditions found, the excavations should be properly backfilled with clean material and compacted. A report on this effort with the certified lab analysis will be forwarded to you and Mr. Levy.

Please provide us with your authorization to proceed with this work so that we may forward your intention to Mr. Levy in order to schedule the remaining work. Also note, that even if the remaining contaminated soil is removed, groundwater contamination may not be immediately eliminated as its source may come from another property. In the event of this, a joint meeting with Mr. Levy will be recommended to best determine how to proceed.

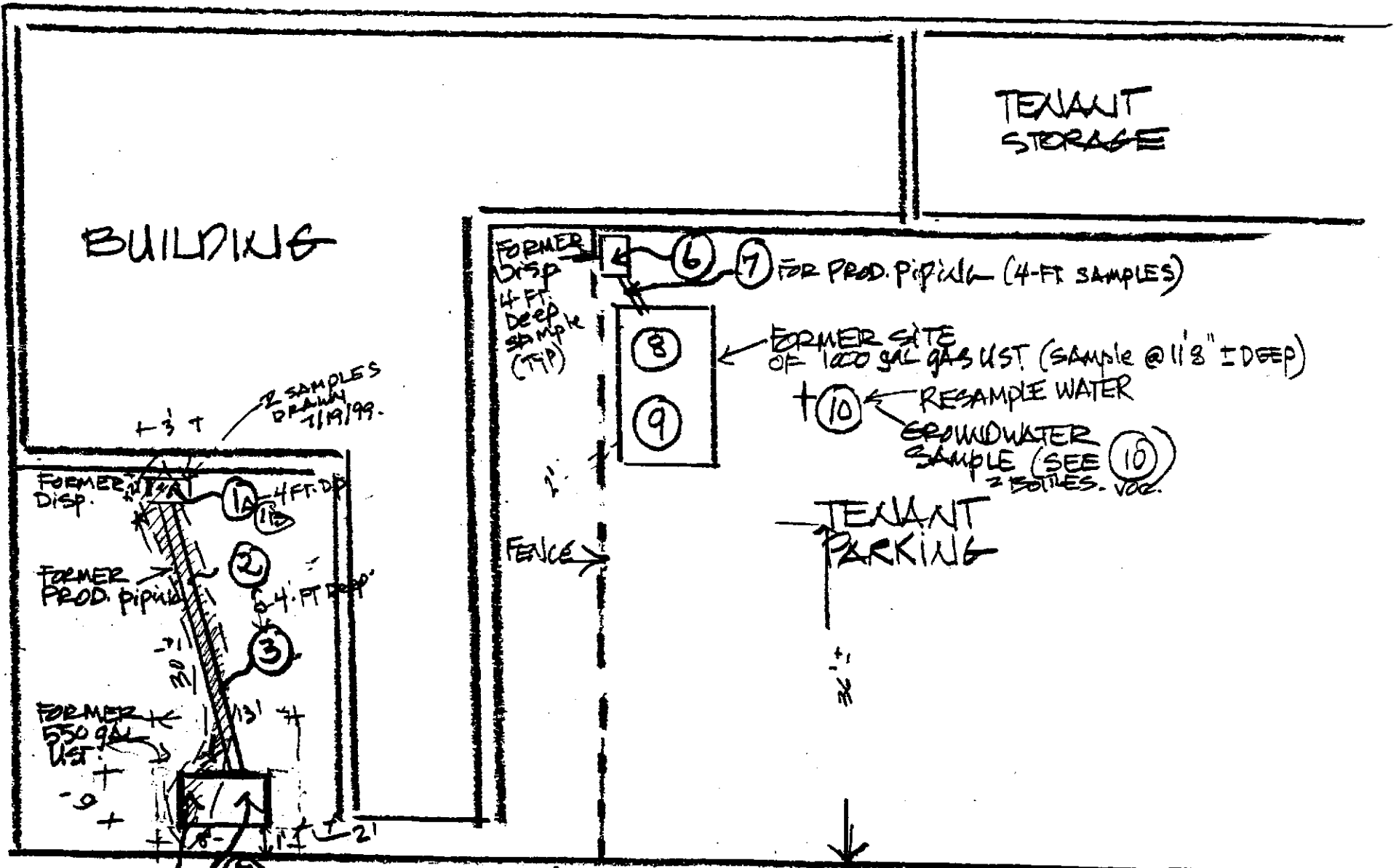
Sincerely,



David Benaroya Helfant, Ph.D., M.ASCE
Principal Investigator

SITE & SAMPLING PLAN: 6335 SAN PABLO AVENUE, C

6335 SAN PABLO AVENUE



A3/1
 REMOVAL OF CONTAMINATED SOIL (IN RED)
 SITE & SAMPLING PLAN
 SCALE: 1/16" = 1' OR AS NOTED



Nachtmann Analytical Laboratory, Inc.

720 Olive Drive • Davis, CA 95616 • (530) 758-5850 • Fax (530) 758-5870
Mailing Address: P.O. Box 1025 • Davis, CA 95617

Analytical Laboratory Report

Client: Sciesco Engineering Co.
1187 Ocean Ave.
Emeryville, CA. 94608
Attn : Davis Helefont
7/28/99(revised 11/26/99)

Sample ID # :1A,1B to #10
Sample Location :64th St& San pablo Ave.
Sample Matrix :All soil, #10 water
Sampling Date :7/19 to 7/21/99
Sampled By :Client
Sample received :7/22/99

Sample ID#/ Conc.(ug/l) in Extract

Analytes	MDL(ug/l)	1A	1B	#2	#3	#4	#5	#6
TPH- Benzene	0.5	3.22	301.	27.19	17.23	< 0.5	< 0.5	< 0.5
TPH- Toluene	0.5	1.94	2,680.	3.66	3.00	3.84	< 0.5	< 0.5
TPH- Ethyl benzene	0.5	1.54	1,954.	19.54	2.06	< 0.5	< 0.5	< 0.5
TPH- Xylenes(total)	0.5	5.51	14,221.	45.41	11.80	25.92	< 0.5	< 0.5

Methyl - t - butyl ether 5.0 < 5.0 446.35 3.13 < 5.0 1.55 < 5.0 < 5.0

#7 #8 #9 10

TPH- Benzene	< 0.5	< 0.5	< 0.5	284.37
TPH- Toluene	< 0.5	< 0.5	< 0.5	9.43
TPH- Ethyl benzene	< 0.5	< 0.5	< 0.5	< 0.5
TPH- Xylenes(total)	< 0.5	< 0.5	< 0.5	508.8

Methyl- t - butyl ether < 5.0 < 5.0 < 5.0 50.37

Sample ID#/ Conc. (mg/kg)

Analytes	MDL(mg/l)	1A	1B	#2	#3	#4	#5	#6
Lead (total) Pb	0.02	< 1.0	1.8	< 1.0	< 1.0	1.8	2.3	3.64

#7 #8 #9 #10

11.45 4.55 6.4 5.5

Report continued

Client: Siesco Engineering Co.
1187 Ocean Ave.
Emeryville, CA. 95608

7/28/99
(revised 11/26/99)

QC

<u>Surrogate (BTEX)</u>		<u>% Recovery</u>		
a,a,a-Trifluorotoluene		101.8		
<u>Matrix Spikes</u>		<u>% Recovery</u>		<u>RPD</u>
		<u>MS # 1</u>	<u>MS # 2</u>	
Benzene		92.35	108.	16.
Toluene		99.1	103.3	4.11
Ethyl-benzene		99.1	103.4	4.2
Xylene (total)		101.3	105.8	4.3
Total Lead	(Pb)	117	132	12.04

Method of Analysis for BTEX & MTBE : Sample Preparation : EPA SW 846 # 5030A
Sample Analysis : EPA SW 846 # 8020 purge & Trap

For total Lead : Portion of soil samples dried at 107 C , sieved through 500 um sieve opening . 1.00 gram of this sieved digested in aqua regia to 50 ml of final volume for analysis . According to method # 7420

Method of Analysis for total Pb : Sample Preparation : EPA SW 846 # 3050A
Sample Analysis : EPA SW # 7420

This laboratory services performed per State of California's laboratory certification # 1419

Chemist in charge : Ahmed Modabber

