

# AC Transit

Alameda-Contra Costa Transit District

1600 Franklin Street, Oakland, California 94612 ☐ (415) 891-4777



September 14, 1987

Mr. Peter Johnson  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1111 Jackson Street, Rm. 6040  
Oakland, CA 94607

Dear Mr. Johnson:

Subject: AC Transit Facilities Improvement Program  
Division 4, Seminary Reconstruction  
Contract D4-5, Maintenance Building  
Further Testing Regarding Soils Stockpiles  
Sampling of August 16, 1987

CALIFORNIA REGIONAL WATER  
QUALITY CONTROL BOARD  
SEP 14 1987 *rwj*

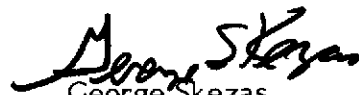
Attached for your review are the results of tests performed on the stockpiled soils at Division 4, Seminary, for BNA, PCB's, and heavy metals. These tests were ordered based upon your verbal instructions, as a follow-up to the August 26 tests for TPH, TOG, and VOC (transmitted to your office on September 1, 1987).

As we indicated in our letter of September 1, we believe the results of the TOG represent normal "baseline" readings common to asphaltic subgrade. The remaining tests clearly support our contention that the stockpiles are not hazardous and, therefore, we will proceed with our plan to use the soils as engineered fill.

As previously planned, AC Transit will complete a groundwater monitoring program at the Seminary site as the construction is completed. We will monitor the water quarterly for TPH and BTX and periodically for VOA. This program will document the performance of the upgraded facilities and that the engineered-fill use of the stockpiled soils and the current site conditions do not significantly affect groundwater quality. Details of this plan will be developed as soon as the remaining portion of the old maintenance building is demolished and the extent of the additional contamination is known.

We would appreciate your prompt acknowledgment of these results.

Very truly yours,

  
George Skezas  
Facilities Administrator

gd  
Attachments

cc: R. A. Shahid - Alameda County  
H. M. Nahler - KE  
S. Whitehead - KE  
L. Hanson - KE



1255 POWELL STREET EMERYVILLE, CA 94608 • (415) 428-2300

LOG NO: E87-09-074

Received: 02 SEP 87

Reported: 08 SEP 87

Mr. Lee Hanson  
Kaiser Engineering  
508 16th Street  
Oakland, California 94612

Purchase Order: 20852

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES					DATE SAMPLED
09-074-1	Stockpile 1					26 AUG 87
09-074-2	Stockpile 2A					26 AUG 87
09-074-3	Stockpile 2B					26 AUG 87
09-074-4	Stockpile 2C					26 AUG 87
09-074-5	Stockpile 3					26 AUG 87
PARAMETER	09-074-1	09-074-2	09-074-3	09-074-4	09-074-5	
<b>Polychlorinated Biphenyls</b>						
Date Extracted	09.02.87	09.02.87	09.02.87	09.02.87	09.02.87	09.02.87
Date Analyzed	09.03.87	09.03.87	09.03.87	09.03.87	09.03.87	09.03.87
Aroclor 1016, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1262, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Other Polychlorinated Biphenyls	---	---	---	---	---	---



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09-074-4	Stockpile 2C					26 AUG 87
09-074-5	Stockpile 3					26 AUG 87
PARAMETER	09-074-1	09-074-2	09-074-3	09-074-4	09-074-5	
B/N,A Ext. Priority Pollutants						
Extraction	09.02.87	09.02.87	09.02.87	09.02.87	09.02.87	09.02.87
Date Analyzed	09.03.87	09.03.87	09.03.87	09.03.87	09.03.87	09.03.87
1,2,4-Trichlorobenzene, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
1,2-Dichlorobenzene, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
1,2-Diphenylhydrazine, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
1,3-Dichlorobenzene, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
1,4-Dichlorobenzene, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
2,4,6-Trichlorophenol, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
2,4-Dichlorophenol, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
2,4-Dimethylphenol, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
2,4-Dinitrotoluene, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
2,4-Dinitrophenol, mg/kg	<1	<30	<5	<50	<5	<5
2,6-Dinitrotoluene, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
2-Chloronaphthalene, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
2-Nitrophenol, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
2-Chlorophenol, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
2-Methyl-4,6-dinitrophenol, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
3,3'-Dichlorobenzidine, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
4-Bromophenylphenylether, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5
4-Chloro-3-methylphenol, mg/kg	<0.1	<3	<0.5	<5	<0.5	<0.5



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09-074-2	Stockpile 2A	26 AUG 87				
09-074-3	Stockpile 2B	26 AUG 87				
09-074-4	Stockpile 2C	26 AUG 87				
09-074-5	Stockpile 3	26 AUG 87				
PARAMETER	09-074-1	09-074-2	09-074-3	09-074-4	09-074-5	
4-Chlorophenylphenylether, mg/kg	<0.1	<3	<0.5	<5	<0.5	
4-Nitrophenol, mg/kg	<2	<60	<10	<100	<10	
Acenaphthene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Acenaphthylene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Anthracene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Bis(2-ethylhexyl)phthalate, mg/kg	<10	<300	<50	<500	<50	
Benzidine, mg/kg	<4	<120	<20	<200	<20	
Bis(2-chloroethyl)ether, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Bis(2-chloroisopropyl)ether, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Bis(2-chloroethoxy)methane, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Benzo(a)anthracene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Benzo(a)pyrene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Benzo(b)fluoranthene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Benzo(g,h,i)perylene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Benzo(k)fluoranthene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Butylbenzylphthalate, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Chrysene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Di-n-octylphthalate, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Dibenzo(a,h)anthracene, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Dibutylphthalate, mg/kg	<0.1	<3	<0.5	<5	<0.5	
Diethylphthalate, mg/kg	<0.1	<3	<0.5	<5	<0.5	



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09-074-3	Stockpile 2B	26 AUG 87				
09-074-4	Stockpile 2C	26 AUG 87				
09-074-5	Stockpile 3	26 AUG 87				
PARAMETER		09-074-1	09-074-2	09-074-3	09-074-4	09-074-5
Dimethylphthalate, mg/kg		<0.1	<3	<0.5	<5	<0.5
Fluorene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Fluoranthene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Hexachlorobenzene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Hexachlorobutadiene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Hexachlorocyclopentadiene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Hexachloroethane, mg/kg		<0.1	<3	<0.5	<5	<0.5
Indeno(1,2,3-c,d)pyrene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Isophorone, mg/kg		<0.1	<3	<0.5	<5	<0.5
N-Nitrosodi-n-propylamine, mg/kg		<0.1	<3	<0.5	<5	<0.5
N-Nitrosodimethylamine, mg/kg		<0.1	<3	<0.5	<5	<0.5
N-Nitrosodiphenylamine, mg/kg		<0.1	<3	<0.5	<5	<0.5
Naphthalene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Nitrobenzene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Pentachlorophenol, mg/kg		<0.1	<3	<0.5	<5	<0.5
Phenanthrene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Phenol, mg/kg		<0.1	<3	<0.5	<5	<0.5
Pyrene, mg/kg		<0.1	<3	<0.5	<5	<0.5
Semi-Quantified Results **						
A Complex Matrix, mg/kg		100	3000	200	---	400



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09-074-3	Stockpile 2B	26 AUG 87
09-074-4	Stockpile 2C	26 AUG 87
09-074-5	Stockpile 3	26 AUG 87

PARAMETER	09-074-1	09-074-2	09-074-3	09-074-4	09-074-5

\*\* Quantification based upon comparison of total ion count of the compound with that of the nearest internal standard.



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09-074-6	Stockpile 4A					26 AUG 87
09-074-7	Stockpile 4B					26 AUG 87
09-074-8	Stockpile 5A					26 AUG 87
09-074-9	Stockpile 5B					26 AUG 87
09-074-10	Stockpile 6A					26 AUG 87
PARAMETER	09-074-6	09-074-7	09-074-8	09-074-9	09-074-10	
<b>Polychlorinated Biphenyls</b>						
Date Extracted	09.02.87	09.02.87	09.02.87	09.02.87	09.02.87	09.02.87
Date Analyzed	09.03.87	09.03.87	09.03.87	09.03.87	09.03.87	09.03.87
Aroclor 1016, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1262, mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Other Polychlorinated Biphenyls	---	---	---	---	---	---



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09-074-9	Stockpile 5B					26 AUG 87
09-074-10	Stockpile 6A					26 AUG 87
PARAMETER	09-074-6	09-074-7	09-074-8	09-074-9	09-074-10	
B/N,A Ext. Priority Pollutants						
Extraction	09.02.87	09.02.87	09.02.87	09.02.87	09.02.87	09.02.87
Date Analyzed	09.03.87	09.03.87	09.03.87	09.03.87	09.03.87	09.03.87
1,2,4-Trichlorobenzene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
1,2-Dichlorobenzene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
1,2-Diphenylhydrazine, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
1,3-Dichlorobenzene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
1,4-Dichlorobenzene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
2,4-Dichlorophenol, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
2,4-Dimethylphenol, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
2,4-Dinitrotoluene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
2,4-Dinitrophenol, mg/kg	<1	<5	<5	<1	<1	<1
2,6-Dinitrotoluene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
2-Chloronaphthalene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
2-Nitrophenol, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
2-Chlorophenol, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
2-Methyl-4,6-dinitrophenol, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
3,3'-Dichlorobenzidine, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
4-Bromophenylphenylether, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1





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LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED				
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09-074-7	Stockpile 4B	26 AUG 87				
09-074-8	Stockpile 5A	26 AUG 87				
09-074-9	Stockpile 5B	26 AUG 87				
09-074-10	Stockpile 6A	26 AUG 87				
PARAMETER	09-074-6	09-074-7	09-074-8	09-074-9	09-074-10	
4-Chlorophenylphenylether, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
4-Nitrophenol, mg/kg	<2	<10	<10	<2	<2	
Acenaphthene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Acenaphthylene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Anthracene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Bis(2-ethylhexyl)phthalate, mg/kg	<10	<50	<50	<10	<10	
Benzidine, mg/kg	<4	<20	<20	<4	<4	
Bis(2-chloroethyl)ether, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Bis(2-chloroisopropyl)ether, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Bis(2-chloroethoxy)methane, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Benzo(a)anthracene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Benzo(a)pyrene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Benzo(b)fluoranthene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Benzo(g,h,i)perylene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Benzo(k)fluoranthene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Butylbenzylphthalate, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Chrysene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Di-n-octylphthalate, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Dibenzo(a,h)anthracene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Dibutylphthalate, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Diethylphthalate, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	



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09-074-7	Stockpile 4B	26 AUG 87				
09-074-8	Stockpile 5A	26 AUG 87				
09-074-9	Stockpile 5B	26 AUG 87				
09-074-10	Stockpile 6A	26 AUG 87				
PARAMETER	09-074-6	09-074-7	09-074-8	09-074-9	09-074-10	
Dimethylphthalate, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Fluorene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Fluoranthene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Hexachlorobenzene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Hexachlorobutadiene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Hexachlorocyclopentadiene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Hexachloroethane, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Indeno(1,2,3-c,d)pyrene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Isophorone, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
N-Nitrosodi-n-propylamine, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
N-Nitrosodimethylamine, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
N-Nitrosodiphenylamine, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Naphthalene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Nitrobenzene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Pentachlorophenol, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Phenanthrene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Phenol, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Pyrene, mg/kg	<0.1	<0.5	<0.5	<0.1	<0.1	
Semi-Quantified Results **						
A Complex Matrix, mg/kg	1000	1000	300	---	100	



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Reported: 08 SEP 87

Mr. Lee Hanson  
Kaiser Engineering  
508 16th Street  
Oakland, California 94612

Purchase Order: 20852

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED				
09-074-6	Stockpile 4A	26 AUG 87				
09-074-7	Stockpile 4B	26 AUG 87				
09-074-8	Stockpile 5A	26 AUG 87				
09-074-9	Stockpile 5B	26 AUG 87				
09-074-10	Stockpile 6A	26 AUG 87				
PARAMETER		09-074-6	09-074-7	09-074-8	09-074-9	09-074-10

\*\* Quantification based upon comparison of total ion count of the compound with that of the nearest internal standard.



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LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED	
09-074-11	Stockpile 6B	26 AUG 87	
09-074-12	Stockpile 6C	26 AUG 87	
PARAMETER		09-074-11	09-074-12
Polychlorinated Biphenyls			
Date Extracted		09.02.87	09.02.87
Date Analyzed		09.03.87	09.03.87
Aroclor 1016, mg/kg		<0.5	<0.5
Aroclor 1221, mg/kg		<0.5	<0.5
Aroclor 1232, mg/kg		<0.5	<0.5
Aroclor 1242, mg/kg		<0.5	<0.5
Aroclor 1248, mg/kg		<0.5	<0.5
Aroclor 1254, mg/kg		<0.5	<0.5
Aroclor 1260, mg/kg		<0.5	<0.5
Aroclor 1262, mg/kg		<0.5	<0.5
Other Polychlorinated Biphenyls		---	---



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## REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED	
09-074-11	Stockpile 6B	26 AUG 87	
09-074-12	Stockpile 6C	26 AUG 87	
PARAMETER		09-074-11	09-074-12
B/N,A Ext. Priority Pollutants			
Extraction		09.02.87	09.02.87
Date Analyzed		09.03.87	09.03.87
1,2,4-Trichlorobenzene, mg/kg		<0.1	<0.1
1,2-Dichlorobenzene, mg/kg		<0.1	<0.1
1,2-Diphenylhydrazine, mg/kg		<0.1	<0.1
1,3-Dichlorobenzene, mg/kg		<0.1	<0.1
1,4-Dichlorobenzene, mg/kg		<0.1	<0.1
2,4,6-Trichlorophenol, mg/kg		<0.1	<0.1
2,4-Dichlorophenol, mg/kg		<0.1	<0.1
2,4-Dimethylphenol, mg/kg		<0.1	<0.1
2,4-Dinitrotoluene, mg/kg		<0.1	<0.1
2,4-Dinitrophenol, mg/kg		<1	<1
2,6-Dinitrotoluene, mg/kg		<0.1	<0.1
2-Chloronaphthalene, mg/kg		<0.1	<0.1
2-Nitrophenol, mg/kg		<0.1	<0.1
2-Chlorophenol, mg/kg		<0.1	<0.1
2-Methyl-4,6-dinitrophenol, mg/kg		<0.1	<0.1
3,3'-Dichlorobenzidine, mg/kg		<0.1	<0.1
4-Bromophenylphenylether, mg/kg		<0.1	<0.1
4-Chloro-3-methylphenol, mg/kg		<0.1	<0.1
4-Chlorophenylphenylether, mg/kg		<0.1	<0.1
4-Nitrophenol, mg/kg		<2	<2
Acenaphthene, mg/kg		<0.1	<0.1



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## REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED	
09-074-11	Stockpile 6B	26 AUG 87	
09-074-12	Stockpile 6C	26 AUG 87	
PARAMETER		09-074-11	09-074-12
Acenaphthylene, mg/kg		<0.1	<0.1
Anthracene, mg/kg		<0.1	<0.1
Bis(2-ethylhexyl)phthalate, mg/kg		<10	<10
Benzidine, mg/kg		<4	<4
Bis(2-chloroethyl)ether, mg/kg		<0.1	<0.1
Bis(2-chloroisopropyl)ether, mg/kg		<0.1	<0.1
Bis(2-chloroethoxy)methane, mg/kg		<0.1	<0.1
Benzo(a)anthracene, mg/kg		<0.1	<0.1
Benzo(a)pyrene, mg/kg		<0.1	<0.1
Benzo(b)fluoranthene, mg/kg		<0.1	<0.1
Benzo(g,h,i)perylene, mg/kg		<0.1	<0.1
Benzo(k)fluoranthene, mg/kg		<0.1	<0.1
Butylbenzylphthalate, mg/kg		<0.1	<0.1
Chrysene, mg/kg		<0.1	<0.1
Di-n-octylphthalate, mg/kg		<0.1	<0.1
Dibenzo(a,h)anthracene, mg/kg		<0.1	<0.1
Dibutylphthalate, mg/kg		<0.1	<0.1
Diethylphthalate, mg/kg		<0.1	<0.1
Dimethylphthalate, mg/kg		<0.1	<0.1
Fluorene, mg/kg		<0.1	<0.1
Fluoranthene, mg/kg		<0.1	<0.1
Hexachlorobenzene, mg/kg		<0.1	<0.1
Hexachlorobutadiene, mg/kg		<0.1	<0.1
Hexachlorocyclopentadiene, mg/kg		<0.1	<0.1



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REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED	
09-074-11	Stockpile 6B	26 AUG 87	
09-074-12	Stockpile 6C	26 AUG 87	
PARAMETER		09-074-11	09-074-12
Hexachloroethane, mg/kg		<0.1	<0.1
Indeno(1,2,3-c,d)pyrene, mg/kg		<0.1	<0.1
Isophorone, mg/kg		<0.1	<0.1
N-Nitrosodi-n-propylamine, mg/kg		<0.1	<0.1
N-Nitrosodimethylamine, mg/kg		<0.1	<0.1
N-Nitrosodiphenylamine, mg/kg		<0.1	<0.1
Naphthalene, mg/kg		<0.1	<0.1
Nitrobenzene, mg/kg		<0.1	<0.1
Pentachlorophenol, mg/kg		<0.1	<0.1
Phenanthrene, mg/kg		<0.1	<0.1
Phenol, mg/kg		<0.1	<0.1
Pyrene, mg/kg		<0.1	<0.1
Semi-Quantified Results **			
A Complex Matrix, mg/kg		300	500

\*\* Quantification based upon comparison of total ion count of the compound with that of the nearest internal standard.

*D. A. McLean*  
D. A. McLean, Laboratory Director









LOG NO: E87-09-075

Received: 02 SEP 87

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REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION, EP LEACH SAMPLES	DATE SAMPLED
09-075-11	Stockpile 6B	26 AUG 87
09-075-12	Stockpile 6C	26 AUG 87

PARAMETER	09-075-11	09-075-12
Beryllium, mg/L	<0.01	<0.01
Cadmium, mg/L	<0.01	<0.01
Chromium, mg/L	<0.02	<0.02
Copper, mg/L	<0.02	<0.02
Lead, mg/L	<0.1	<0.1
Nickel, mg/L	<0.05	<0.05
Silver, mg/L	<0.01	<0.01
Thallium, mg/L	<0.1	<0.1
Zinc, mg/L	<0.01	0.01
Antimony, mg/L	<0.1	<0.1
Arsenic, mg/L	<0.02	<0.02
Selenium, mg/L	<0.01	<0.01
Mercury, mg/L	<0.0002	<0.0002
EPA, EP TOX Extraction	09.03.87	09.03.87

*D. A. McLean*  
D. A. McLean, Laboratory Director



September 14, 1987

Mr. Lowell Miller  
Alameda County Department of Environmental Health  
470-27th Street, Rm. 322  
Oakland, CA 94612

Dear Mr. Miller:

Subject: AC Transit Facilities Improvement Program  
Division 4, Seminary Reconstruction  
Contract D4-5, Maintenance Building  
Stockpile Sample Analyses

Please find attached analyses of the twelve (12) stockpile samples from the Seminary site. As requested by the RWQCB, we have had analyses completed for PCB's, B/N-A extractable priority pollutants, and EP toxicity metals. It is evident that there are no significant concentrations of these pollutants. Previously, we have submitted similar results for TFH and VOA's.

We believe that these stockpiles have been demonstrated nonhazardous using the EPA and State-accepted analytical products. Since we are far behind schedule at the Seminary site, we would appreciate a rapid finding that these stockpiles are nonhazardous. The disposition of the stockpiles is on-site fill.

Thank you for your timely attention to this matter.

Very truly yours,

A handwritten signature in black ink, appearing to read 'George Skezas'.

George Skezas  
Facilities Administrator

gd  
Attachments

cc: Peter Johnson - RWQCB  
H. M. Nahler - KE  
S. Whitehead - KE  
L. Hanson - KE  
R. A. Shahid - Alameda County