

RECEIVED
AUG 17 1988
HAZARDOUS MATERIALS/
WASTE PROGRAM

July 21, 1988

Alameda County Health Department
470 27th St., Room 322
Oakland, CA 94612

Attn: Lowell Miller

Re: Emeryville Marketplace site report for the week of 7-11-88

Dear Mr. Miller,

The following is a summary of activities and findings at the Emeryville Marketplace site for the week of 7-11-88.

Attached are the analytical results reported for: (1) Tarpaper samples collected during the week of 7-4-88, analyzed for asbestos. (2) Air samples obtained in order to ascertain levels of "BETEX" vapors and selected metals, collected during the weeks of 6-13-88 and 6-20-88. Please refer to the attached map for sample information and identification.

This week, S.O.S. Inc. initiated a clean up of the building pad and nearby areas, by gathering and bagging all tarpaper like materials visible to the eye.

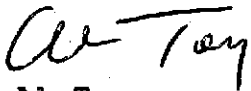
In order to determine airborne concentrations of asbestos fibers at various locations on this site and its perimeter, air samples were collected. Analytical results are pending.

Worker protection will continue to consist of protective gear (gloves, boots and coveralls as necessary) designed to prevent skin contact with hazardous materials. Respiratory protection will be provided if necessary.

{ Ken Thalesen }
464-1308 }
letters to landfills }
to Bill Wood regarding Soil in }
landfills }

Please feel free to contact me at 349-9737 if you have questions,
or I may be of assistance.

Sincerely,



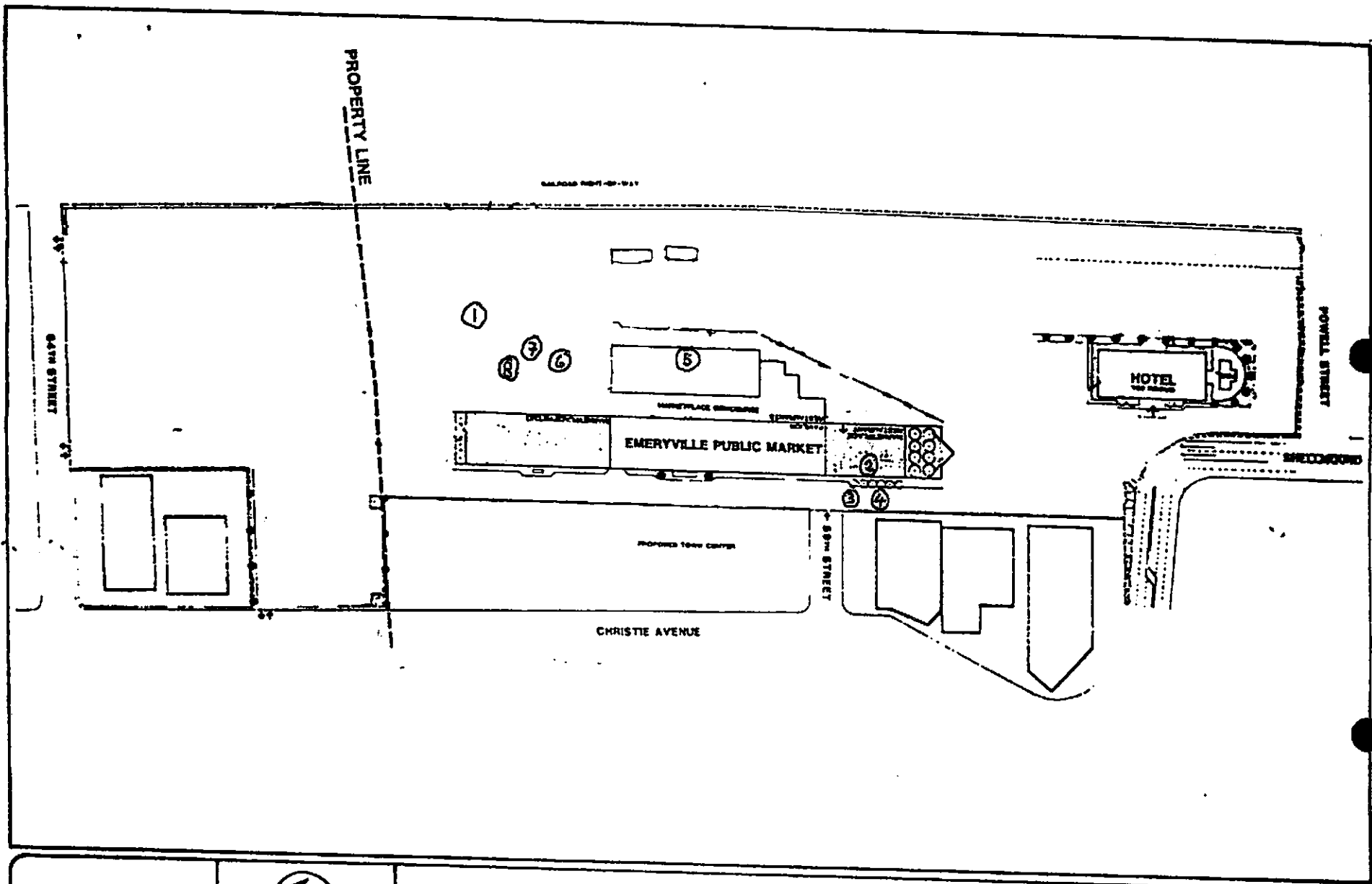
Al Toy,
Project Environmental Monitor

J.M. Cohen, Inc.
155 Bovet Rd., Suite 300
San Mateo, CA 94402

cc: R. Hughes
W. Kaczmarek
P. Kelly
M. Papineau
G. Raymond
P. Sheehan
R. Wyatt

<u>MAP #</u>	<u>SAMPLE #</u>	<u>SAMPLE TYPE</u>	<u>ANALYZED FOR:</u>	<u>DATE</u>
1.	070888-1	bulk	asbestos	7-8-88
2.	070888-2	bulk	asbestos	7-8-88
3.	070888-3	bulk	asbestos	7-8-88
4.	070888-4	bulk	asbestos	7-8-88
5.	061488-1	air	metals	6-14-88
6.	062288-2	air	metals	6-22-88
7.	061588-1	air	btex	6-15-88
8.	062288-1	air	btex	6-22-88

Note: Analysis of blanks are included with lab reports




SCALE
 1" = 160'



FIREMAN'S FUND
INSURANCE COMPANIES
 Environmental Laboratory
 3700 Lakeville Highway
 Petaluma, CA 94952
 800-FFIC-LAB

ENVIRONMENTAL LABORATORY

Al Toy
 J.M. Cohen, Inc.
 155 Bovet Road
 Suite 300
 San Mateo, CA 94402

L A B O R A T O R Y R E S U L T S

Supply/Order No.:
 Client's Survey No.:
 Contract/PO No.:
 Release No.:

Laboratory Job No.: 883183
 Date Received: 07/07/88
 Date Reported: 07/11/88
 Client Code: COHN7

ASSAY:METAL SCAN BY ICP (NIOSH 7300)

LABNO	SMP LNO-ID	AIR(LT)	TOTAL(MG)	MG/M3	PPM
27902	061488-1 FILTER				
	AG	239.0	<0.0009	<0.0037	
	AL		<0.0099	<0.0415	
	AS		<0.0106	<0.0443	
	BA		<0.0019	<0.0081	
	BE		<0.0023	<0.0096	
	CD		<0.0022	<0.0094	
	CO		<0.0021	<0.0087	
	CR		<0.0022	<0.0091	
	CU		<0.0019	<0.0081	
	FE		0.0038	0.0158	
	MG		<0.0039	<0.0163	
	MN		<0.0021	<0.0086	
	MO		<0.0020	<0.0086	
	NI		<0.0021	<0.0086	
	PB		<0.0043	<0.0181	
	SB		<0.0105	<0.0441	
	SE		<0.0102	<0.0426	
	SN		<0.0042	<0.0175	
	TI		<0.0021	<0.0088	
	TL		<0.0211	<0.0881	
	V		<0.0021	<0.0087	
	W		<0.0047	<0.0197	
	ZN		<0.0021	<0.0088	
	ZR		<0.0019	<0.0081	
			DUPLICATE		



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LABORATORY RESULTS

Laboratory Job No.: 883183

LABNO	SMPLNO-ID	AIR(LT)	TOTAL(MG)	MG/M3	PPM
27905	062288-2				
	FILTER				
	AG	239.0	<0.0009	<0.0037	
	AL		0.0320	0.1340	
	AS		<0.0106	<0.0443	
	BA		0.0020	0.0083	
	BE		<0.0023	<0.0096	
	CD		<0.0022	<0.0094	
	CO		<0.0021	<0.0087	
	CR		<0.0022	<0.0091	
	CU		<0.0019	<0.0081	
	FE		0.0609	0.2550	
	MG		0.0151	0.0630	
	MN		0.0032	0.0134	
	MO		<0.0020	<0.0086	
	NI		<0.0021	<0.0086	
	PB		<0.0043	<0.0181	
	SB		<0.0105	<0.0441	
	SE		<0.0102	<0.0426	
	SN		<0.0042	<0.0175	
	TI		0.0028	0.0116	
	TL		<0.0211	<0.0881	
	V		<0.0021	<0.0087	
	W		<0.0047	<0.0197	
	ZN		<0.0021	<0.0088	
	ZR		<0.0019	<0.0081	

DUPLICATE



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LABORATORY RESULTS

Laboratory Job No.: 883183

<u>LABNO</u>	<u>SMPLNO-ID</u>	<u>AIR(LT)</u>	<u>TOTAL(MG)</u>	<u>MG/M3</u>	<u>PPM</u>
27907	BLANK FILTER BLANK				
	AG		<0.0009		
	AL		<0.0099		
	AS		<0.0106		
	BA		<0.0019		
	BE		<0.0023		
	CD		<0.0022		
	CO		<0.0021		
	CR		<0.0022		
	CU		<0.0019		
	FE		<0.0021		
	MG		<0.0039		
	MN		<0.0021		
	MO		<0.0020		
	NI		<0.0021		
	PB		<0.0043		
	SB		<0.0105		
	SE		<0.0102		
	SN		<0.0042		
	TI		<0.0021		
	TL		<0.0211		
	V		<0.0021		
	W		<0.0047		
	ZN		<0.0021		
	ZR		<0.0019		

ANALYST: NANCY S. TESCHE

DUPLICATE



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 3700 Lakeville Highway
 Petaluma, CA 94952
 800-FFIC-LAB

ENVIRONMENTAL LABORATORY

LABORATORY RESULTS

Laboratory Job No.: 883183

ASSAY: SOLVENTS (NIOSH 127)
 MATRIX: CCT

LABNO SMP LNO-ID	AIR(LT)	FRONT(MG)	BACK(MG)	TOTAL(MG)	MG/M3	PPM
27903 061588-1						
BENZENE	10.20	<0.0052	<0.0052	<0.0052	<0.515	<0.161
TOLUENE		<0.0040	<0.0040	<0.0040	<0.392	<0.104
ETHYL BENZENE		<0.0042	<0.0042	<0.0042	<0.413	<0.0951
XYLENE		<0.0084	<0.0084	<0.0084	<0.826	<0.190
27904 062288-1						
BENZENE	10.20	<0.0052	<0.0052	<0.0052	<0.515	<0.161
TOLUENE		<0.0040	<0.0040	<0.0040	<0.392	<0.104
ETHYL BENZENE		<0.0042	<0.0042	<0.0042	<0.413	<0.0951
XYLENE		<0.0084	<0.0084	<0.0084	<0.826	<0.190
27906 BLANK						
BENZENE				<0.0052		
TOLUENE				<0.0040		
ETHYL BENZENE				<0.0042		
XYLENE				<0.0084		

ANALYST: STELLA HANIS

DUPLICATE



KELCO

P.O. Box 1339
Fremont, CA 94538
(415) 659-9751

POLARIZED LIGHT MICROSCOPY
w/ Dispersion Staining
Petrographic Analysis for Asbestos

CLIENT: J. M. COHEN INC.
155 BOVET ROAD, SUITE 300
SAN MATEO, CA 94402

KELCO File #: 80711N
Date: 7/11/88
Page #: 1 OF 1

LOCATION:

Analyst: O. KIST


CLIENT JOB #

KELCO #	DESCRIPTION	ASBESTOS DETECTED	ASBESTOS TYPE AND PERCENT	OTHER FIBROUS CONSTITUENTS	HOMOGENOUS	
					YES	NO
80711N-1	SAMPLE #07088-1	YES	CHYS 40-50	ANIMAL HAIR 1-2 C TRACE-0.5		X
N-2	SAMPLE #07088-2	NO		C 60-70		X
N-3	SAMPLE #07088-3	NO		C 20-30 ANIMAL HAIR 5-10		X
N-4	SAMPLE #07088-4	NO		C 70-80 ANIMAL HAIR TRACE-0.5		X

RUSH

UNIDENTIFIED BALANCE: NF - BINDERS & FILLERS

CHYS: Chrysotile	C: Cellulose
AMOS: Amosite	GL: Fiberglass/Mineral Wool
CROC: Crocidolite	SYN: Synthetic
TREM: Tremolite/Actinolite	O: Other
ANTH: Anthophyllite	NF: Non Fibrous



OLGA KIST
MICROSCOPIST