

CROSBY & OVERTON, INC.

Environmental Management

8430 Amelia Street
Oakland, California 94621
FAX (415) 633-0759
(415) 633-0336 ■ (800) 821-0424

91 MAR -5 AM 10: 51

March 1, 1991

Pamela Evans
Alameda County Health Agency
80 Swan Way, Room 200
Oakland, Ca 94621

RE: 22117 Meekland, Hayward

Dear Ms. Evans,

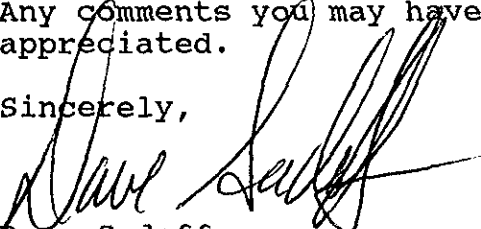
Please find enclosed a copy of Med-Tox Associates laboratory report for soil samples collected at 22117 Meekland Avenue in Hayward, California, on February 21, 1991.

Sample #S4, taken from the north wall of the excavation at 20 feet below ground surface (bgs), contained hydrocarbon oil and grease at 30 parts per million (ppm). All other parameters analyzed for yielded below detectable results.

Subsequent to your verbal authorization rendered February 25, 1991, the excavation was backfilled with clean soil. As I have mentioned previously, a receipt for the backfill will be included in the final report. In addition, a groundwater monitoring well installation work plan for the site is currently being drafted, and will be submitted to your office shortly.

Any comments you may have concerning this site would be appreciated.

Sincerely,


Dave Sadoff
Project Environmental Geologist
DS/vjh

LABORATORY ANALYSIS REPORT

CROSBY & OVERTON, INC.
8430 AMELIA STREET
OAKLAND, CA 94621
ATTN: DAVE SADOFF

CLIENT PROJ. NO: 8205-S
PURCHASE ORDER NO: 11006

REPORT DATE: 02/27/91

DATE SAMPLED: 02/21/91

DATE RECEIVED: 02/22/91

MED-TOX JOB NO: 9102151

ANALYSIS OF: SOIL SAMPLES

See attached for results

Michael Lynch for ACS
Andrew Bradeen, Manager
Organic Laboratory

Results FAXed to Dave Sadoff 02/25/91

CROSBY & OVERTON, INC.

REPORT DATE: 02/27/91

CLIENT PROJ. NO: 8205-S

MED-TOX JOB NO: 9102151

Sample Identification Client Id.	Lab No.	Oil & Grease (mg/kg)	Hydrocarbons (mg/kg)	Extractable Hydrocarbons as Diesel (mg/kg)	Extractable Hydrocarbons as Oil (mg/kg)
S1	01A	ND	ND	ND	ND
S2	02A	ND	ND	ND	ND
S3	03A	ND	ND	ND	ND
S4	04A	40	30	ND	30
S5	05A	ND	ND	ND	ND
S6	06A	ND	ND	ND	ND
S7	07A	ND	ND	ND	ND
S8	08A	ND	ND	ND	ND
S9	09A	ND	ND	ND	ND
Detection Limit		10	10	10	20
Method		5520E	5520F	3550 GCFID	3550 GCFID
Instrument		IR	IR	C	C
Date Extracted		02/22/91	02/22/91	02/22/91	02/22/91
Date Analyzed		02/24/91	02/24/91	02/23/91	02/23/91
ND = Not Detected					

CROSBY & OVERTON, INC.

CLIENT ID: S1
CLIENT JOB NO: 8205-S
DATE SAMPLED: 02/21/91
DATE RECEIVED: 02/22/91
REPORT DATE: 02/27/91

MED-TOX LAB NO: 9102151-01A
MED-TOX JOB NO: 9102151
DATE ANALYZED: 02/22/91
INSTRUMENT: H

BTEX

METHOD: EPA 8020 (5030)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Xylenes, Total	ND	3

ND = Not Detected

CROSBY & OVERTON, INC.

CLIENT ID: S2
CLIENT JOB NO: 8205-S
DATE SAMPLED: 02/21/91
DATE RECEIVED: 02/22/91
REPORT DATE: 02/27/91

MED-TOX LAB NO: 9102151-02A
MED-TOX JOB NO: 9102151
DATE ANALYZED: 02/22/91
INSTRUMENT: H

BTEX

METHOD: EPA 8020 (5030)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Xylenes, Total	ND	3

ND = Not Detected

CROSBY & OVERTON, INC.

CLIENT ID: S3
CLIENT JOB NO: 8205-S
DATE SAMPLED: 02/21/91
DATE RECEIVED: 02/22/91
REPORT DATE: 02/27/91

MED-TOX LAB NO: 9102151-03A
MED-TOX JOB NO: 9102151
DATE ANALYZED: 02/22/91
INSTRUMENT: H

BTEX

METHOD: EPA 8020 (5030)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Xylenes, Total	ND	3

ND = Not Detected

CROSBY & OVERTON, INC.

CLIENT ID: S4
CLIENT JOB NO: 8205-S
DATE SAMPLED: 02/21/91
DATE RECEIVED: 02/22/91
REPORT DATE: 02/27/91

MED-TOX LAB NO: 9102151-04A
MED-TOX JOB NO: 9102151
DATE ANALYZED: 02/22/91
INSTRUMENT: H

BTEX

METHOD: EPA 8020 (5030)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Xylenes, Total	ND	3

ND = Not Detected

CROSBY & OVERTON, INC.

CLIENT ID: S5
CLIENT JOB NO: 8205-S
DATE SAMPLED: 02/21/91
DATE RECEIVED: 02/22/91
REPORT DATE: 02/27/91

MED-TOX LAB NO: 9102151-05A
MED-TOX JOB NO: 9102151
DATE ANALYZED: 02/22/91
INSTRUMENT: H

BTEX

METHOD: EPA 8020 (5030)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Xylenes, Total	ND	3

ND = Not Detected

CROSBY & OVERTON, INC.

CLIENT ID: S6
CLIENT JOB NO: 8205-S
DATE SAMPLED: 02/21/91
DATE RECEIVED: 02/22/91
REPORT DATE: 02/27/91

MED-TOX LAB NO: 9102151-06A
MED-TOX JOB NO: 9102151
DATE ANALYZED: 02/22/91
INSTRUMENT: H

BTEX

METHOD: EPA 8020 (5030)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Xylenes, Total	ND	3

ND = Not Detected

CROSBY & OVERTON, INC.

CLIENT ID: S7
CLIENT JOB NO: 8205-S
DATE SAMPLED: 02/21/91
DATE RECEIVED: 02/22/91
REPORT DATE: 02/27/91

MED-TOX LAB NO: 9102151-07A
MED-TOX JOB NO: 9102151
DATE ANALYZED: 02/22/91
INSTRUMENT: H

BTEX

METHOD: EPA 8020 (5030)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Xylenes, Total	ND	3

ND = Not Detected

CROSBY & OVERTON, INC.

CLIENT ID: S8
CLIENT JOB NO: 8205-S
DATE SAMPLED: 02/21/91
DATE RECEIVED: 02/22/91
REPORT DATE: 02/27/91

MED-TOX LAB NO: 9102151-08A
MED-TOX JOB NO: 9102151
DATE ANALYZED: 02/22/91
INSTRUMENT: H

BTEX

METHOD: EPA 8020 (5030)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Xylenes, Total	ND	3

ND = Not Detected

CROSBY & OVERTON, INC.

CLIENT ID: S9
CLIENT JOB NO: 8205-S
DATE SAMPLED: 02/21/91
DATE RECEIVED: 02/22/91
REPORT DATE: 02/27/91

MED-TOX LAB NO: 9102151-09A
MED-TOX JOB NO: 9102151
DATE ANALYZED: 02/22/91
INSTRUMENT: H

BTEX

METHOD: EPA 8020 (5030)

	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Xylenes, Total	ND	3

ND = Not Detected

QUALITY CONTROL DATA
CROSBY & OVERTON, INC.
CLIENT PROJ. NO: 8205-S
MED-TOX JOB NO: 9102151

DATE EXTRACTED: 02/22/91
DATE ANALYZED: 02/24/91
INSTRUMENT: IR

MED-TOX JOB NO: 9102151
CLIENT REF: 8205-S

IR DETERMINATION FOR OIL & GREASE/HYDROCARBONS
MATRIX SPIKE RECOVERY SUMMARY
SOIL MATRIX

ANALYTE	MS Conc. (mg/kg)	Sample Result (mg/kg)	MS Result (mg/kg)	MSD Result (mg/kg)	Average Percent Recovery	RPD
Oil & Grease	250	25	228	233	92.2	2.2

CURRENT QC LIMITS (Revised 11/12/90)

<u>Analyte</u>	<u>Percent Recovery</u>	<u>RPD</u>
Oil & Grease	(64-119)	.15

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE EXTRACTED: 02/22/91
DATE ANALYZED: 02/23/91
INSTRUMENT: C

MED-TOX JOB NO: 9102151

CLIENT REF: 8205-S

**MATRIX SPIKE RECOVERY SUMMARY
TPH EXTRACTABLE SOILS
METHOD 3550 GCFID
(SOIL MATRIX; EXTRACTION METHOD)**

ANALYTE	Spike Conc. (mg/kg)	Sample Result (mg/kg)	MS Result (mg/kg)	MSD Result (mg/kg)	Average Percent Recovery	RPD
Diesel	84.8	ND	75.9	76.9	90.1	1.3

CURRENT QC LIMITS (Revised 02/12/91)

<u>Analyte</u>	<u>Percent Recovery</u>	<u>RPD</u>
Diesel	(41.5-132.0)	18.8

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

DATE ANALYZED: 02/22/91

MED-TOX JOB NO: 9102151

INSTRUMENT: H

CLIENT REF: 8205-S

MATRIX SPIKE RECOVERY SUMMARY
METHOD 8020/5030 GCFID (PURGE & TRAP)
(SOIL MATRIX)

ANALYTE	Spike Conc. (ug/kg)	Sample Result (ug/kg)	MS Result (ug/kg)	MSD Result (ug/kg)	Average Percent Recovery	RPD
Benzene	34.6	ND	33.6	33.3	96.7	0.9
Toluene	110	ND	108	108	98.2	0.0
TPH as Gasoline	1030	ND	934	980	92.9	4.8

CURRENT QC LIMITS (Revised 11/12/90)

<u>Analyte</u>	<u>Percent Recovery</u>	<u>RPD</u>
Benzene	(75-122)	17
Toluene	(76-117)	19
TPH as Gasoline	(50-117)	17

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
ND = Not Detected

R-4, S-

CHAIN OF CUSTODY RECORD

9102151



PROJ. NO.	PROJECT NAME		P.O. NO		NO OF CONTAINERS	REMARKS														
82055	22117 MEEKLAND		11006			5520 ELF TPH-D+BTEX														
SAMPLERS: Signature <i>[Signature]</i> Send report attention to;																				
STA NO	DATE	TIME	COMP.	GRAB	STATION LOCATION															
1A S1	2/21/91	4:20		✓	W WALL 10'	1	X	X												
2A S2	"	4:28		✓	W WALL 20'	1	X	X												
3A S3	"	4:38		✓	N WALL 10'	1	X	X												
4A S4	"	4:42		✓	N WALL 20'	1	X	X												
5A S5	"	4:49		✓	E WALL 10'	1	X	X												
6A S6	"	4:51		✓	E WALL 20'	1	X	X												
7A S7	"	4:56		✓	CENTER, 23'	1	X	X												
8A S8	"	4:58		✓	S WALL 10'	1	X	X												
9A S9	"	5:03		✓	S WALL 20'	1	X	X												

CROSBY & OVERTON, INC.
 Environmental Management
 8430 Amelia Street
 Oakland, California 94621
 FAX (415) 633-0759
 (415) 633-0336 • (800) 821-0424

Relinquished by: Signature <i>[Signature]</i>	Date/Time 2/22/91 8:25	Received by: Signature <i>May Elle Ruck</i>	Date/Time 2-22-91 8:25 AM
Relinquished by: Signature <i>May Elle Ruck</i>	Date/Time 2-22-91 9:04 AM	Received by: Signature <i>[Signature]</i>	Date/Time 2/22/91 9:05 AM
Relinquished by: Signature <i>[Signature]</i>	Date/Time 2/22/91 10:00 AM	Received by: Signature <i>Denise Harrington</i>	Date/Time 2/22/91 1000

REMARKS:
 24 HOUR RUSH
 Company Name
 Address