

December 30, 1991

91 DEC 31 PM 2:33

Mr. Barney Chan
Alameda County
Health Department
80 Swan Way, Suite 200
Oakland, CA.

Dear Mr. Chan;

Re: Bioremediated soil sampling at 105th Avenue site,
Oakland.

SJV consultants performed a sampling of bioremediated soil, at the subject site, on October 23, 1991. Two composite samples were obtained from five sampling points each. The samples were retrieved from approximately one-half the height of the pile and in the center of the pile (See attached Plate 1). The five samples were agitated and then a sample taken by filling a 2" x 6" clean brass tube. The tube was sealed with aluminum foil, capped, sealed with tape and labeled. Two composite samples were delivered to Chromolab, under proper Chain of Custody (See Appendix).

The results of this sampling indicate that the hydrocarbon content of the soils has been remarkably reduced with the southern half of the pile having the higher values (See Appendix).

It is our recommendation that this soil continue being remediated until it meets the standards of the regulatory agency for either removal or reuse on the site. I would expect that the regulatory agency might require a few more analysis to determine the leaching potential, or lack thereof, from the soil before approving the use on site.

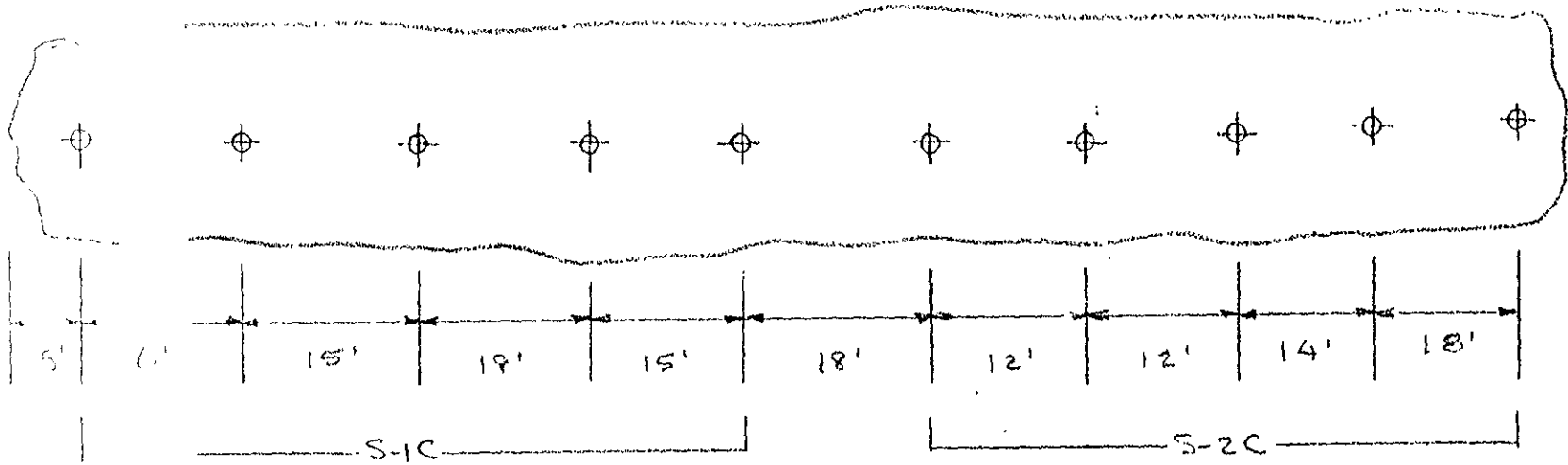
If there are any questions concerning this matter please call Verl K. Rothlisberger at (510)-568-1234.

Sincerely Yours,



Verl K. Rothlisberger
President

V-N-T



SOIL SAMPLING LOCATIONS.

SCALE: NONE	APPROVED BY:	DRAWN BY KAW.
DATE: 12-11-91		REVISED

MAYER PROPERTIES - 105TH AVE
OAKLAND, CA.

SSV CONSULTANTS

DRAWING NUMBER
PLATE 1

CHAIN OF CUSTODY RECORD

SJV CONSULTANTS

PERSONNEL

SITE INFORMATION

Sampler (Signature) [Signature]

Job Name V.C.I. OF CA.

Phone (510) 793-5366

Job Number 0191030.00

Field Crew Supervisor -

Sample Location 105 TH AVE.
BIOREMEDIATION PILE.

Field Company S.J.V. CONSULTANTS

Project Geologist/Engineer K.A. MADENWALD

P.O. Number _____

Relinquished by (Signature) [Signature] 10/25/91

Received by (Signature) [Signature]

Date 10/23/91

Time 10:30 AM

Relinquished by ((Signature)) _____

Received by (Signature) _____

Date _____

Time _____

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
S-1e	Soil	1	COMPOSITE	10-23-91	TPH (D)	_____
S-1c	Soil	1	"	10-23-91	SS20	_____
S-2c	Soil	1	"	10-23-91	TPH (D)	_____
S-2c	Soil	1	"	10-23-91	SS20	_____

Remarks: ALL 422-134 WITH RESULTS SENT
TO SITE REPRESENTATIVE

CHROMALAB, INC.

5 DAYS TURNAROUND

Analytical Laboratory (E694)

October 30, 1991

ChromaLab File No.: 1091208

S.J.V. CONSULTANTS

Attn: K. A. Madenwald

RE: Two soil samples for Diesel and Oil & Grease analyses

Project Name: V.C.I. OF CA

Project Location: Bioremediation Pile

Project Number: 0191030.00

Date Sampled: Oct. 23, 1991

Date Submitted: Oct. 23, 1991

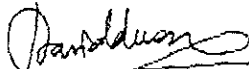
Date Extracted: Oct. 28, 1991

Date Analyzed: Oct. 28, 1991

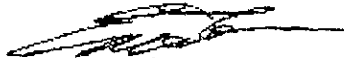
RESULTS:

<u>Sample I.D.</u>	<u>Diesel (mg/Kg)</u>	<u>Oil & Grease (mg/kg)</u>
S-1C	9.2	240
S-2C	57	340
BLANK	N.D.	N.D.
SPIKED RECOVERY	88.2%	----
DETECTION LIMIT	1.0	10
METHOD OF ANALYSIS	3550/8015	5520 E&F

ChromaLab, Inc.



David Duong
Chief Chemist



Eric Tam
Laboratory Director