

October 26, 1987  
Project 1149C

The Martin Company  
4256 Hacienda Drive, Suite 101  
Pleasanton, California 94566

Attention: Mr. Walt Kaczmarek

SOIL QUALITY TEST RESULTS  
DAYS INN PARKING LOT  
EASTSHORE CENTER  
Emeryville, California

Gentlemen:

A previous assessment of soil quality at the Eastshore Center site encountered an area of high lead concentration in the former Days Inn parking lot (Reference 1). Subsequent soil sampling and testing indicated the area of high lead concentration was limited to a radius of less than five feet from Boring EB8 and to a depth of about four feet (Reference 2). The general location of Boring EB8 with respect to the Days Inn parking lot is shown in Figure 1.

It was decided to excavate and haul the lead contaminated soil to an approved disposal site. In order to document that the lead contaminated soil had been removed, Alan McKay requested that we obtain soil samples from the sides and bottom of the resulting excavation and have the samples tested for the presence of lead. This letter describes the soil sampling procedures and presents the results of the laboratory tests.

The undersigned and Juan Hernandez of our firm visited the site on September 15, 1987 to help establish the location of Boring EB8 and to define the general limits of excavation (5-foot radius from the boring). An initial excavation of soil adjacent to Boring EB8 had been made, but the excavation was not large enough. The excavated soil had been stockpiled on a large sheet of plastic on Building Pad H.

A second site visit was made on September 16 to take soil samples. However, the resulting excavation was not quite large enough. Instructions to enlarge the northwest portion of the excavation to extend at least five feet from the location of Boring EB8 were given to Chuck Ridell of Devcon Construction, Inc.

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A total of five soil samples were taken from the sides and bottom of the enlarged excavation on September 18 and delivered to the analytical laboratory for testing. The general location of the excavation in relation to the new parking lot is shown in Figure 2. The approximate locations of the five soil samples are also shown in Figure 2. The depth at which each sample was taken is summarized below:

<u>Sample No.</u>	<u>Locaton in Excavation</u>	<u>Depth Below Grade (feet)</u>
L1	side	5.5
L2	side	5.5
L3	bottom	6
L4	bottom	5.7
L5	side	5.3

The soil samples were obtained by driving a two-inch diameter by four-inch long thin brass tube into the sides or bottom of the excavation. The new tubes and the hard sampler were thoroughly cleaned prior to use. The hand sampler was cleaned after each sample was taken.

The samples were sealed in the tubes with plastic caps and delivered to the Brown and Caldwell Laboratories in Emeryville for testing. Copies of the chain-of-custody forms which accompanied the samples are presented in Appendix A.

The five soil samples were tested for the presence of lead. Results of the laboratory tests are presented below. The laboratory test report is also given in Appendix B.

<u>Sample No.</u>	<u>Lead (mg/kg)</u>
L1	28
L2	49
L3	35
L4	7
L5	23

The concentrations of lead detected in the five soil samples are well below the threshold limit concentrations (TTL) of 1000 mg/kg established in Title 22 of the California Administrative Code.

The laboratory test results indicate that the soil with high lead concentration encountered in Boring EB8 has been removed and the soil exposed on the sides and bottom of the excavation have very low

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concentrations of lead. Therefore, further excavation and removal soil at this particular location is not required to meet the State of California threshold limits.

Sincerely yours,  
GEOMATRIX CONSULTANTS



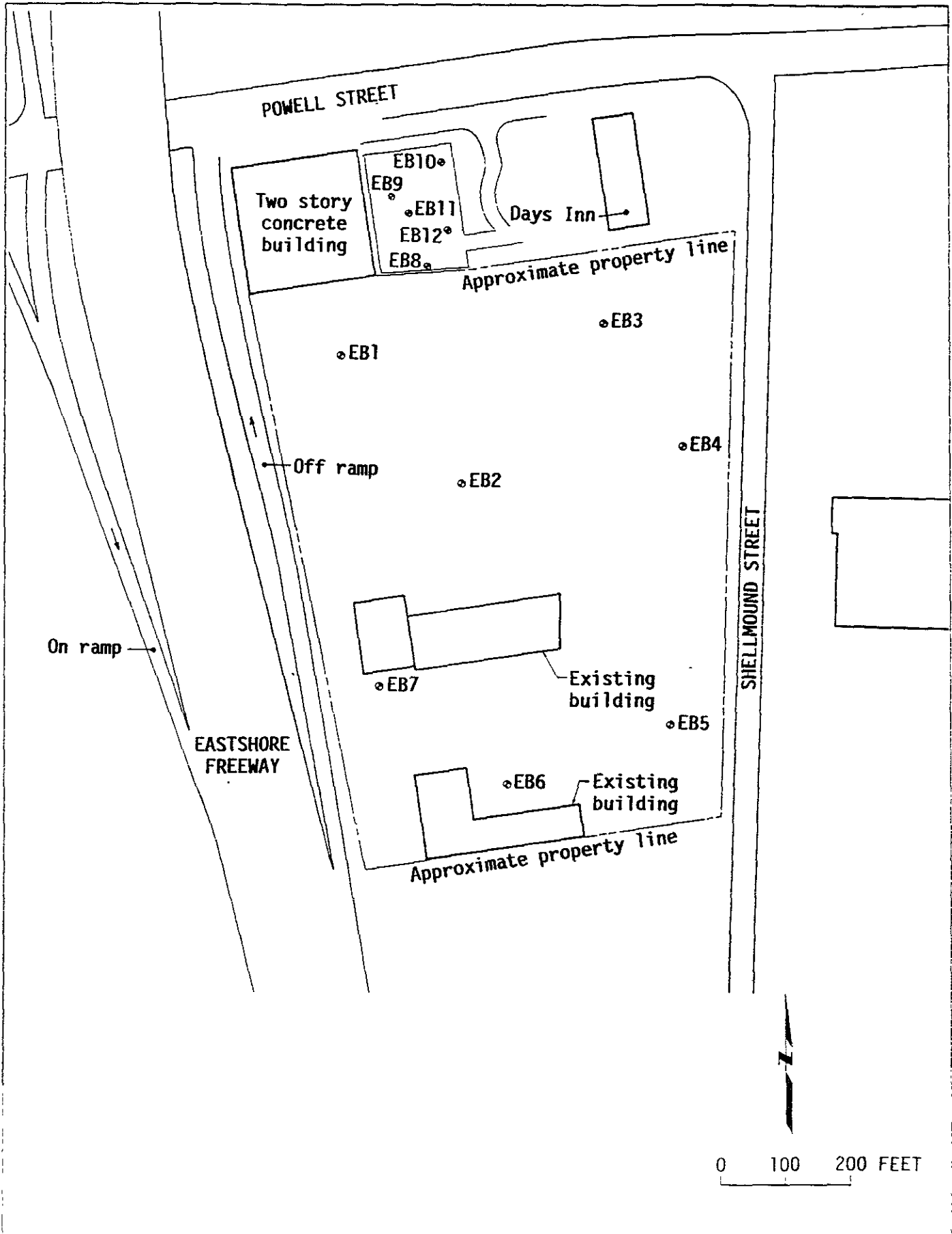
Carl Basore  
Principal Engineer

CB/ckk

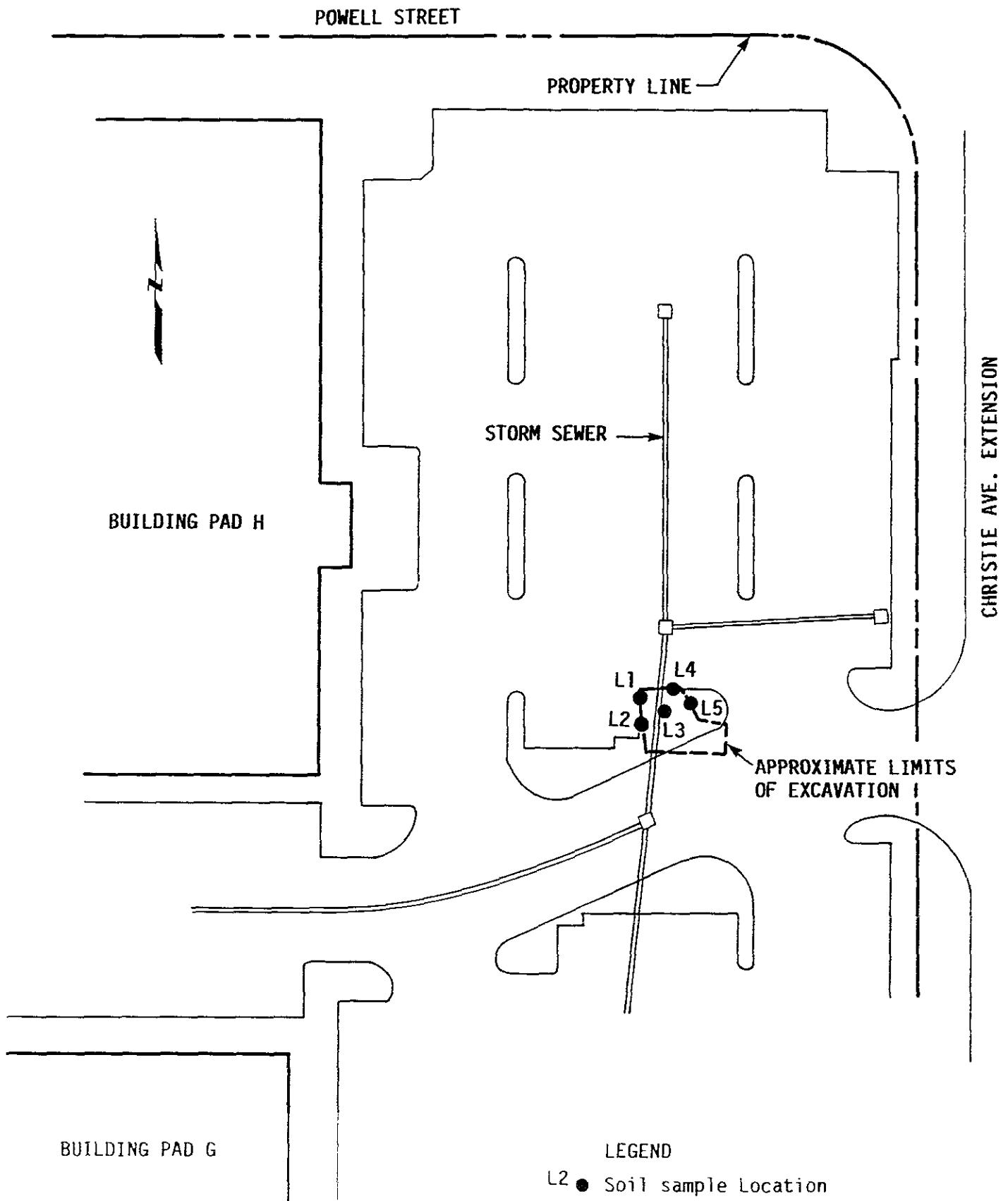
Attachments: References, Figures 1 and 2  
Appendices A and B

REFERENCES

1. Geomatrix Consultants, "Soil Quality Assessment, PIE Freight Terminal Site, Emeryville, California," January 28, 1987 (Project 1175A).
2. Geomatrix Consultants, "Supplemental Soil Quality Assessment, Days Inn Parking Lot, Emeryville, California," March 12, 1987 (Project 1175A).



Project No. 1175A	P.I.E. Site Emeryville, California	SITE AND BORING LOCATION MAP	Figure 1
Geomatrix Consultants			



LOCATION OF LEAD CONTAMINATED SOIL EXCAVATION  
 Days Inn Parking Lot  
 Emeryville, California

Figure  
 2  
 Project No  
 1149C

APPENDIX A

Chain of Custody Records

# GEOMATRIX CONSULTANTS

ONE MARKET PLAZA  
SPEAR STREET TOWER SUITE 717  
SAN FRANCISCO, CALIFORNIA 94105  
(415) 957-9557

# Chain of Custody Record

DATE 9-1-01

PAGE 1 OF     

PROJECT NO.

1149-C

## ANALYSES

SAMPLERS: (SIGNATURE)

*[Signature]*

## REMARKS

(SAMPLE PRESERVATION,  
HANDLING PROCEDURES,  
OBSERVATIONS, ETC.)

DATE	TIME	SAMPLE NUMBER
7-12-87	10:15	L-1
"	10:15	L-2
"	10:20	L-3
"	10:40	L-4

GENERAL MINERAL	PRIORITY POLLUTANT METALS	EPA METHOD 624	EPA METHOD 625	EPA METHOD 601	EPA METHOD 602	EPA METHOD 608	PETROLEUM HYDROCARBONS	LEAD	NUMBER OF CONTAINERS
								✓	
								✓	
								✓	

SOIL SAMPLES  
TAKEN BY 2" DIA X  
4" LONG ERASEL...

ERASEL...

9/1/01

TOTAL NUMBER OF CONTAINERS

RELINQUISHED BY:

SIGNATURE

PRINTED NAME

COMPANY

DATE

TIME

RECEIVED BY:

SIGNATURE

PRINTED NAME

COMPANY

RELINQUISHED BY:

SIGNATURE

PRINTED NAME

COMPANY

DATE

TIME

RECEIVED BY: (LAB)

SIGNATURE

PRINTED NAME

LABORATORY

RELINQUISHED BY:

SIGNATURE

PRINTED NAME

COMPANY

DATE

TIME

RECEIVED BY:

SIGNATURE

PRINTED NAME

COMPANY

METHOD OF SHIPMENT:

LABORATORY COMMENTS/OBSERVATIONS





# GEOMATRIX CONSULTANTS

ONE MARKET PLAZA  
SPEAR STREET TOWER SUITE 717  
SAN FRANCISCO, CALIFORNIA 94105  
(415) 957-9557

# Chain of Custody Record

DATE 7-15-06

PAGE 1 OF     

PROJECT NO.  
1147C

## ANALYSES

SAMPLERS: (SIGNATURE)

GENERAL MINERAL	PRIORITY POLLUTANT METALS	EPA METHOD 624	EPA METHOD 625	EPA METHOD 601	EPA METHOD 602	EPA METHOD 608	PETROLEUM HYDROCARBONS	LEAD	NUMBER OF CONTAINERS
								<input checked="" type="checkbox"/>	

## REMARKS

(SAMPLE PRESERVATION,  
HANDLING PROCEDURES,  
OBSERVATIONS, ETC.)

DATE

TIME

SAMPLE NUMBER

7-18 2:45 LS

SOIL SAMPLE  
TAKEN w/ 2" DIA X  
4" DEPT. LENS

ENCLOSURE  
CENTER

ENCLOSURE

TOTAL NUMBER  
OF CONTAINERS

RELINQUISHED BY:

DATE

RECEIVED BY:

RELINQUISHED BY:

DATE

RECEIVED BY: (LAB)

SIGNATURE

SIGNATURE

SIGNATURE

SIGNATURE

PRINTED NAME

PRINTED NAME

PRINTED NAME

PRINTED NAME

COMPANY

COMPANY

COMPANY

LABORATORY

RELINQUISHED BY:

DATE

RECEIVED BY:

METHOD OF SHIPMENT:

SIGNATURE

SIGNATURE

LABORATORY COMMENTS/OBSERVATIONS

PRINTED NAME

PRINTED NAME

COMPANY

COMPANY

APPENDIX B

Brown and Caldwell Laboratories  
Analytical Report



LOG NO: E87-09-514

Received: 18 SEP 87

Reported: 23 SEP 87

J. Hernandez  
Geomatrix Consultants  
1 Market Plaza, Spear Tower, Ste.717  
San Francisco, California 94105

Project: 1149C

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED			
09-514-1	L-1	18 SEP 87			
09-514-2	L-2	18 SEP 87			
09-514-3	L-3	18 SEP 87			
09-514-4	L-4	18 SEP 87			
PARAMETER		09-514-1	09-514-2	09-514-3	09-514-4
Lead, mg/kg		28	49	35	6.7
Nitric Acid Digestion, Date		09.22.87	09.22.87	09.22.87	09.22.87

D. A. McLean, Laboratory Director



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

LOG NO: E87-09-513

Received: 18 SEP 87

Reported: 23 SEP 87

J. Hernandez  
Geomatrix Consultants  
1 Market Plaza, Spear Tower, Ste.717  
San Francisco, California 94105

Project: 1149C

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
09-513-1	L-5	18 SEP 87
PARAMETER	09-513-1	
Lead, mg/kg		23
Nitric Acid Digestion, Date		09.22.87

D. A. McLean, Laboratory Director

TRANSMITTAL  
Seq. 1 / Origin

OFFICE MEMO  
SAN FRANCISCO BAY REGION

ROUTE	INIT.
RBJ	
MAB	
LPK	
DMH	
BJB	

PLANNING	
RHW*	
SLA	
DST	
MPC	

INDUSTRIAL	
SRR*	
WKB+	
BHW	
LWT	
LHH	
ORF	
AGL+	
DCB	
KRH	
KJT	
MHK	
MDD+	
TEM	
JEC	
LAH	

Geo Support	
TMS	
SNH	
LHG	
CTS	

ROUTE	INIT.
MUNICIPAL	
TCW*	
RJC+	
RL	
ADF	
RAD	
SAH+	
WT	
SOE	
DAM+	
SRL	
JJ	
BDA	

Pretreatment	
ETH	
PCM	

SO. BAY TOXICS	
SIM*	
FEJ+	
JLH	
DLH	
BAA	
MTW	
RHC	
RKM+	
RWM	
JYL	
SDI	
TJB	
MYM	
JRM	

TOXICS CLEANUP		
DDD*	PWJ+	FXB
LF+	TC	
RMB	Vac	
TOR	Vac	
WBH	BHW	
	MRK	

SUBJECT: P.I.E. National - Emeryville Property

BY: KMB DATE: 11/4/87

INFO FROM: Greg Zentgraf

*Greg recommends that we take this case back because the company wants to begin a remedial action - 'bioremediation'. He and I discussed that DHE would probably be the lead agency because this office of alternative technology is active. Greg's section is unable to give this case attention at this time and recommends that this is only an interim remedial action for a part of their site cleanup. This case is on our "existing" list.*

*Let's take the case back to the...*

**TRANSMITTAL**  
Seq.  1 / Origin

ROUTE	INIT.	ROUTE	INIT.
RBJ		<b>MUNICIPAL</b>	
MAB		TCW*	
LPK		RJC+	
DMH		RL	
GJG		ADF	

PLANNING	
RHW*	
MPC	
SLA	

INDUSTRIAL	
SRR*	
WKB+	
GRF	
BRL	
LWT	
LHH	
AGL+	
DCB	
KRH	
KJT	
MHK	
MDD+	
TEM	
JEC	
LAH	

Geo Support	
TMS	
SNH	
LHG	
CTS	

TOXICS CLEANUP			
DDD*		PWJ+	MDK
LF+		TC	SKM
WBH		LCF	
		GSZ	
		BHW	
		MRK	

SAH+	
WT	
SGE	
LS	
DAM+	
SRL	
JJ	
BDA	
Pretreat/Sp Pro	
ETH	
PCM	

SO. BAY TOXICS	
SIM*	
FEJ+	
JLH	
DLH	
BAA	
MTW	
JDW	
RKM+	
RWM	
JYL	
SDI	
TJB	
MYM	
JRM/	EC

DATE OF ORIGIN: RUSH  ROUTINE

**MESSAGE BOARD: (INFORMAL INFO - DOES NOT GO TO FILE)**

P.I.E. NATIONWIDE

• INFORMING P.I.E. THAT THE REGIONAL BOARD HAS THE AUTHORITY TO ESTABLISH FINAL CLEANUP LEVELS

NPDES

• REQUESTING P.I.E. TO SUBMIT COMPLETED FORM 2D AND ANY CHANGES TO ORIGINAL INFO WE RECEIVED IN TERMS OF TREATMENT PROCESS TO BE IMPLEMENTED

**WORK ORDER - TECHNICAL STAFF**

<p><b>TYPING</b> DUE _____</p> <p>LETTERHEAD <input type="checkbox"/></p> <p>MEMO RWQCB <input type="checkbox"/></p> <p>INTERNAL MEMO <input type="checkbox"/></p> <p>DRAFT <input type="checkbox"/></p>	<p><b>MAILING</b> DUE _____</p> <p>MAIL ONLY <input type="checkbox"/></p> <p>Special Instructions: This document has</p> <p>ATTACHMENTS <input type="checkbox"/></p> <p>ENCLOSURES <input type="checkbox"/></p> <p>TASK NO. <u>101-01</u></p> <p>FILE NO. _____</p>
<p><b>PHOTOCOPY</b> DUE _____</p> <p>PHOTOCOPY <input type="checkbox"/> * Copies _____</p> <p>SIDES: 1 <input type="checkbox"/> 2 <input type="checkbox"/></p> <p>STAPLE <input type="checkbox"/> BIND <input type="checkbox"/></p> <p>DISTRIBUTE TO: _____</p>	

**ADMINISTRATION DIVISION**

TRANSMITTAL		STUDENTS			
VJW*		DH	MR	AR	
AJ		JL	JG	IN	
EJ		MTC	EY	LHM	
TMH+		PVF		WP	
OT					
CDC					
SO. BAY DIV					
TLC					

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