CERTIFIED
IN CALIFORNIA FORMERLY
earth metrics

Dorky only C-5

June 16, 1992
Revised May 18, 1993

Mr. Britt Johnson
Hazardous Materials Specialist
Alameda County Health Agency
Department of Environmental Health
80 Swan Way, Room #200
Oakland, CA 94621

Subject: Request for Your Review of the Enclosed Statement of Work Completed, Test Results of Samples Taken, and Well Monitoring of MW-5 (C-5) at the New Lumber Yard at 744 High Street, Oakland, California on April 8, 1992 (CERTIFIED/Earth Metrics file reference 11968) Which Will Hopefully Result in your Recommendation of Letter of Closure to RWQCB

Certified Engineering & Testing® Company

Environmental Consultants & Laboratory Services

7000 Marina Boulevard
4th Floor
Brisbane, CA
94005
(415) 742-9900
Fax (415) 742-1033

Boston
Providence
New York
Memphis
Dallas
San Francisco
Los Angeles

Dear Mr. Johnson:

We are writing you at the request of John Bacon, owner of the property fronting on High Street adjacent to the westerly boundary of the Southern Pacific Railroad main line right-of-way, formerly known as 744 and 758 High Street. The subject property is now known, along with an unrelated contiguous parcel to the west, as 750 High Street. CERTIFIED/Earth Metrics recommends case closure and closure of all six monitoring wells based upon monitoring results on consecutive sampling events (see Table 1), soil verification sampling results (see Table 2), and apparent absence of any significant health or environmental risks.

BACKGROUND INFORMATION

Surface soil contamination with PCBs was discovered and remediated by Southern Pacific Transportation Company (SPTC). Ecology and Environment Inc. (consultant to SPTC) scraped the site and removed the soil from the site (see transportation documentation attached). Ecology and Environment has indicated that their remedial action at the subject site has been completed, as evidenced by post-excavation soil verification sampling and testing (see Table 2).

The site was paved in 1991 and the six wells installed by Ecology and Environment remain on site (see Figure 1). The ground-water direction at the site is known to be from the northeast to the southwest. Remedial action, as stated by Ecology and Environment, is complete.

As per the Statement of Work between CERTIFIED/Earth Metrics and Mr. John Bacon, CERTIFIED/Earth Metrics repaired, purged, and sampled one well (C-5) the farthest downgradient, to assess the presence of potential polychlorinated biphenyls (PCBs). The investigation involved repair, purging, and sampling one existing well (C-5) on site. The well was purged and sampled on six previous dates (see Table 1). On May 26, July 28 and December 4, 1989 and on June 25 and September 6, 1990, no PCBs were detected in well C-5. Additional ground water sampling and analysis of MW-5 (C-5) performed by CERTIFIED/Earth Metrics for Mr. John Bacon at the above-referenced site on April 8, 1992, showed no detectable PCBs in well C-5.

C-5 WELL MONITORING RESULTS

The analytical results of April 8, 1992, supplemental sampling of the ground water from C-5 on the subject site showed no detectable PCBs. The following procedure was followed during well purging and sampling.

Four well volumes of ground water were purged from the well. Temperature/ conductivity and pH readings were taken for the water being discharged from the bailers.

After allowing the well to recover to 80 percent or more of the initial casing volume, a disposable bailer was lowered down the boring until water was encountered in the boring. The bailer was then slowly lowered half the distance of the length of the bailer and then removed from the boring. All samples were taken the same day as the purge event.

Monitoring well C-5 was purged and sampled in the following fashion. Sample water was gathered in one-liter glass jars. Samples were preserved by placing all the samples on ice to chill. A Chain of Custody was initiated and accompanied the samples to the laboratory. The samples were delivered to Sequoia Analytical Laboratory in good condition, at the correct temperature, and at the correct pH.

CONCLUSION

The Non-Detection status of PCBs in monitoring wells A-1, A-5, B-2, C-2, MW-5 (C-5), and C-6 on four to five consecutive sampling events, post excavation soil verification/ test results, and absence of any apparent health or environmental risks are reasons to close this case at 750 High Street (formerly 744 High Street), Oakland. Ground water sampled from well C-6 on September 6, 1990, contained 0.59 ppb which is marginally above detection limit (0.5 ppb). Therefore, CERTIFIED/Earth Metrics recommends closure of all wells including well C-6 and also recommends case closure.

The assessment was prepared in conformance with accepted practices for such studies and the in-house quality assurance program of CERTIFIED/Earth Metrics. The undersigned under penalty of perjury pledge that the facts presented herein are based upon available information discovered by CERTIFIED/Earth Metrics or presented to CERTIFIED/Earth Metrics and represent existing conditions at the site at the time of the investigation.

Sincerely,

Marc R. Papineau
Manager, Physical Sciences Department
Registered Environmental Assessor 00791

Enclosed: Chain of Custody, Lab Results, Water Well Data Sheet (Attachment 1)
Soil Transportation/Disposal Documentation (Attachment 2)
Lab Results, Soil Sampling Location Map (Attachment 3)

cc: Mr. John Bacon, Owner
Mr. Richard Hiett, RWQCB

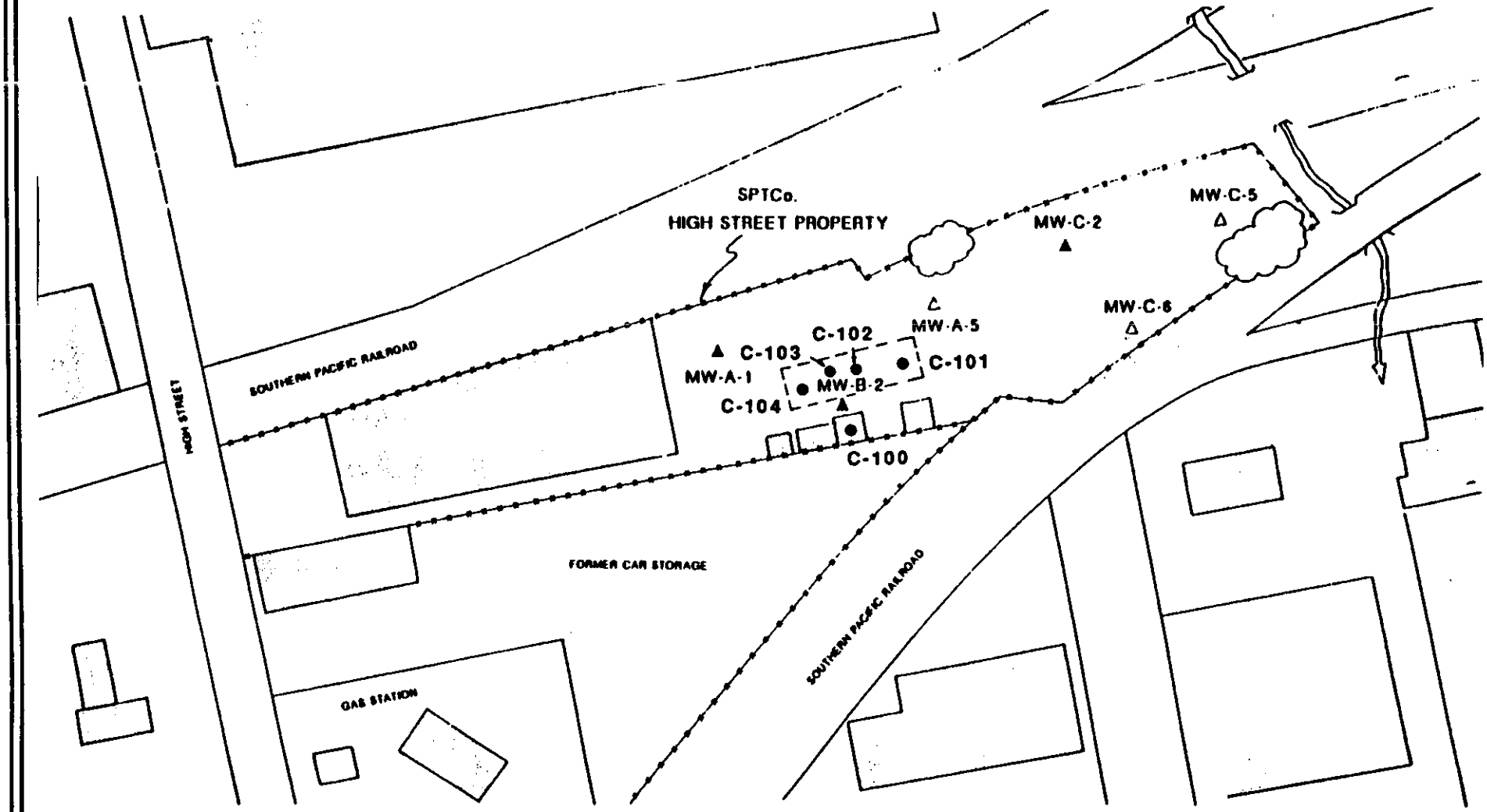

FIGURE 1.
SPTCo HIGH STREET
PHASE II GROUNDWATER AND SOIL
SAMPLING LOCATIONS

TABLE 1. ANALYTICAL RESULTS OF INVESTIGATION FROM WELLS AT 744 HIGH STREET, OAKLAND, CALIFORNIA (ppb)

SAMPLE ID DATE	PCBs IN WATER ppb	NOTES
A-1		
5-26-89	ND	ND means not
7-28-89	NT	detected
12-4-89*	ND	
6-25-90	ND	NT means not
9-6-90	ND	tested
A-5		
5-26-89	ND	
7-28-89	ND	
12-4-89*	ND	
6-25-90	ND	
9-6-90	ND	
B-2		
5-26-89	ND	
7-28-89	ND	
12-4-89*	ND	
6-25-90	ND	
9-6-90	ND	
C-2		
5-26-89	1.0	
7-28-89	0.61	
12-4-89*	ND	
6-25-90	ND	
9-6-90	ND	

(CONTINUED)

TABLE 1 (CONTINUED). ANALYTICAL RESULTS OF INVESTIGATION FROM WELLS AT 744 HIGH STREET, OAKLAND, CALIFORNIA

SAMPLE ID DATE	PCBs IN WATER (ppb)	NOTES
C-5		
5-26-89	ND	
7-28-89	ND	
12-4-89*	ND	
6-25-90	ND	
9-6-90	ND	
4-8-92	ND	
C-6		
5-26-89	ND	
7-28-89	ND	
12-4-89*	ND	*12-4-89 was reported by Ecology and Environment as 12-4-90
6-25-90	ND	
9-6-90	0.59	

ppb = parts per billion

Source: Ecology & Environment
Enseco, 1990
CERTIFIED/Earth Metrics, 1992

C-6 except 4 to 5 sampling events But C-5

TABLE 2. ANALYTICAL RESULTS OF APRIL 30/MAY 1, 1990 POST-EXCAVATION SAMPLING AT 744 HIGH STREET, OAKLAND, CALIFORNIA (PPM)

SAMPLE ID	TOTAL PCBs IN SOIL (ppm)	NOTES
C-100	0.6	Arochlor 1242 & 1260
C-101	2.5	Arochlor 1254
C-102	1.5	Arochlor 1254
C-103	1.6	Arochlor 1260
C-104	ND (0.02)	

ND = None detected above 0.02 ppm
PPM = parts per million

Source: Reported by Ecology and Environment, Inc., Curtis & Tomkins, Ltd., May 2, 1990

In Soil
what about area B

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

8 mw5

Earth Metrics	Client Project ID:	#11968	Sampled:	Apr 7, 1992
7000 Marina Blvd.	Sample Descript:	Water, #1, W-9-MW65 C-5 mw5	Received:	Apr 8, 1992
Brisbane, CA 94005	Analysis Method:	EPA 8080		
Attention: Mark Armstrong	Lab Number:	204-1447	Analyzed:	Apr 14, 1992
			Reported:	Apr 20, 1992

POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit µg/L	Sample Results µg/L
PCB 1016	0.50	N.D.
PCB 1221	2.0	N.D.
PCB 1232	0.50	N.D.
PCB 1242	0.50	N.D.
PCB 1248	0.50	N.D.
PCB 1254	0.50	N.D.
PCB 1260	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Earth Metrics
7000 Marina Blvd.
Brisbane, CA 94005
Attention: Mark Armstrong

Client Project ID: #11968

QC Sample Group: 204-1447

Reported: Apr 20, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	AR 1260

Method:	EPA 8080
Analyst:	D.Dreblow
Reporting Units:	µg/L
Date Analyzed:	Apr 10, 1992
QC Sample #:	GBLK040892

Sample Conc.:	N.D.
Spike Conc. Added:	500
Conc. Matrix Spike:	510
Matrix Spike % Recovery:	100
Conc. Matrix Spike Dup.:	350
Matrix Spike Duplicate % Recovery:	70
Relative % Difference:	37

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

% Recovery:	$\frac{\text{Conc. of M.S. - Conc. of Sample}}{\text{Spike Conc. Added}}$	x 100
Relative % Difference:	$\frac{\text{Conc. of M.S. - Conc. of M.S.D.}}{\text{(Conc. of M.S. + Conc. of M.S.D.) / 2}}$	x 100

CHAIN OF CUSTODY RECORD

PROJ. NO.	SITE NAME AND ADDRESS	TYPE/ NUMBER CON-TAINERS	PCB's (8080)	REMARKS
11968	750 High			
SAMPLERS: SIGNATURE				

STA.NO. (LABEL)	DATE	TIME	COMP.	GRAB	STATION LOCATION (NARRATIVE DESCRIPTION)	TYPE/ NUMBER CON-TAINERS	PCB's (8080)	REMARKS
1	4-8-92	11:00		✓	W-9-MW#5 C-5 TMP	2 1 l. Hcl	✓	

Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
	4-8-92 / 12:30		4-8-92 / 1230
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time

REMARKS: 15 day TAT

Provide QA/QC Report & Calibration

EARTH METRICS INCORPORATED
7000 Marina Blvd., 4th Floor
Brisbane, California 94005
Tel (415) 742-9900 Fax (415) 742-1033

WATER WELL DATA SHEET

earth metrics

DATE 4-8-92 4-8-92 MP
SAMPLER AMH

WELL #	DEPTH H2O	SUBJECTIVE ANALYSIS				PURGE VOLUME	TEMP.	pH	CONDUCTIVITY
		PRO	SHEEN	EMULS	ODOR				
MW 65	9'2.5"	-	-	-	-	0	65	7.1	1.1 x 10³
C-5	MP					5	62	7.2	118 x 10³
						10	60	7.3	126 x 10³

QC LOT ASSIGNMENT REPORT
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
054710-0001-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0002-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0003-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0004-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0005-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0006-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0007-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0008-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A

METHOD BLANK REPORT
Semivolatile Organics by GC

Analyte	Result	Units	Reporting Limit
Test: 608-PCB-A			
Matrix: AQUEOUS			
QC Lot: 12 SEP 90-A QC Run: 12 SEP 90-A			
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Limits	Precision (RPD) DCS	Limit
Category: PCB-A Matrix: AQUEOUS QC Lot: 12 SEP 90-A Concentration Units: ug/L								
Aroclor 1254	5.0	3.93	4.11	4.02	80	52-136	4.5	3(

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DESCRIPTION INFORMATION
for
Ecology and Environment

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
054710-0001-SA	MWA-1	AQUEOUS	06 SEP 90		07 SEP 90
054710-0002-SA	MWA-5	AQUEOUS	06 SEP 90		07 SEP 90
054710-0003-SA	MWB-2	AQUEOUS	06 SEP 90		07 SEP 90
054710-0004-SA	MWB-3	AQUEOUS	06 SEP 90		07 SEP 90
054710-0005-SA	MWB-4	AQUEOUS	06 SEP 90		07 SEP 90
054710-0006-SA	MWC-2	AQUEOUS	06 SEP 90		07 SEP 90
054710-0007-SA	MWC-5	AQUEOUS	06 SEP 90		07 SEP 90
054710-0008-SA	MWC-6	AQUEOUS	06 SEP 90		07 SEP 90

Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWA-1
Lab ID: 054710-0001-SA Enseco ID: 164820
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

The cover letter is an integral part of this report.
Rev 230787

Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWA-5
Lab ID: 054710-0002-SA Enseco ID: 164821
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

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Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWB-2
Lab ID: 054710-0003-SA Enseco ID: 164822
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

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Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWB-3
Lab ID: 054710-0004-SA Enseco ID: 164823
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

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Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWB-4
Lab ID: 054710-0005-SA Enseco ID: 164824
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

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Ensec

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWC-2
Lab ID: 054710-0006-SA Enseco ID: 164825
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

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Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWC-5
Lab ID: 054710-0007-SA Enseco ID: 164826
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

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Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWC-6
Lab ID: 054710-0008-SA Enseco ID: 164827
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	0.59	ug/L	0.50

1003

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

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Rev 230787

ecology and environment, inc.
388 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-8060
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project No.:	Project Name:	Project Manager:
SP-8060	SP-HIGH STREET	COLIN MOY
Samplers: (Signatures)		**Field Team Leader:**
Bob Enkeboll / Chris Lukas		Bob Enkeboll

STATION NUMBER	DATE	TIME	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE TYPE AIR	SAMPLE INFORMATION — EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	PCBs	REMARKS
	9/6			X		MWA-1	low	1	X	Received in good condition
	9/6			X		MWA-5	low	1	X	
	9/6			X		MWB-2	low	1	X	
	9/6			X		MWB-3	low	1	X	
	9/6			X		MWB-4	low	1	X	
	9/6			X		MWC-2	low	1	X	
	9/6			X		MWC-5	low	1	X	
	9/6			X		MWC-6	low	1	X	

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Ship Via:
Bob Enkeboll	9/6/90; 1550					FEDERAL EXPRESS
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Bill/Airbill Number:
Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature) Nigel Mahashak	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)	833654667 6

Date: 9/6/90

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form.

334095

Attachment 2

Soil Transportation/Disposal Documentation

OAKLAND HIGH ST.

INTERNATIONAL TECHNOLOGY CORPORATION

J. Civil

JUL 2 1990

June 22, 1990

John Moe
Southern Pacific Transportation
One Market Plaza
San Francisco, Ca. 94105

Dear John,

Please be advised that all the stockpiled soil at 744 High Street has been disposed at Envirosafe Services of Idaho. Loadout of trucks was accomplished on 6-12-90 and back fill of the excavations and grading was completed on 6-14-90.

Please find enclosed your copies of the manifests generated during the loadout. There was 9½ loads generated. I have already mailed DOHS copies to them.

I have already informed Bob Enkeboll of the completion.

If I can answer further questions or be of service to Southern Pacific Transportation on this or any other projects please call me at 372-9100.

It is a pleasure to work with you on these projects.

Sincerely,

Larry Hudson
Project Coordination Manager
IT Environmental Services

Form Approved OMB No. 2050—0039 (Exp[redacted]
Please print or type. (Form designed f[redacted] typewriter).

Toxic Substances Control Division
Sacramento, California

UNIFORM HAZAR[redacted] WASTE MANI[redacted]

1. Generator's US EPA ID No. [redacted] D00 697 3206 — Manifest Document No. 30742
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and M[redacted] SOUTHERN [redacted] TRANS [redacted] ONE M[redacted] [redacted]ANCISCO, Ca 94105
4. Generator's Phone [redacted] 415 541-2557

A. State Manifest Document Number 89563466
B. State Generator's ID [redacted]Q3699030

5. Transporter 1 Company Name [redacted]
6. US EPA ID Number CAT080032808
C. State Transporter's ID 105831 105830
D. Transporter's Phone 408 262-7726

7. Transporter 2 Company Name [redacted]
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address [redacted] IDAHO [redacted]
10. US EPA ID Number IDD073114654
G. State Facility's ID
H. Facility's Phone 208 834-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [redacted] SOLID N.O.S. [redacted]	001	DT	00918	Y	State 352 / EPA/Other [illegible]
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

23.4 T

J. Additional Descriptions for Materials Listed Above [redacted]
K. Handling Codes for Wastes Listed Above [redacted]

15. Special Handling Instructions and Additional Information
* HIGH * OAKLAND * EMERGENCY # 1-800 [illegible] 326-4826
NET (48400 LBS)

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. Hill	[signature]	061290

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Randall J Cole	Randall J Cole	061290

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-91)
Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Department of Health Services
Toxic Substances Control Division
Sacramento, California

JUL 17 2012

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD006913206 Manifest Document No. 30142
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address [illegible] C TRANSPORTATION
[illegible]
[illegible] FRANCISCO CA 94105
4. Generator's Phone (415) 541-2557

A. State Manifest Document Number 89563322
B. State Generator's ID HAHQ36009030

5. Transporter 1 Company Name [illegible]
6. US EPA ID Number CAT080033908
C. State Transporter's ID 105835
D. Transporter's Phone 208 262-7726

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address [illegible] SERVICES OF IDAHO
[illegible]
GRANDVIEW, ID. 83624
10. US EPA ID Number IDD073114654
G. State Facility's ID
H. Facility's Phone 208 834-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE SOLID NO.S ORM-E, NA9189	001	DT	00019	Y	State [illegible] EPA/Other D005 [illegible]
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

24.7 T

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above
[illegible] C

15. Special Handling Instructions and Additional Information: EMERG [illegible] 1-800 326-4822
HIGH ST OAKLAND (48,000 LBS)
42,000 NET LBS
AVOID SKIN CONTACT WEAR PRO-CLOTHING WHEN HANDLING

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. HILL	[signature]	06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
JAMES P. SCRNACH	[signature]	06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type (Form designed for use on elite (12-pitch) typewriter).

Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD006913206 | Manifest Document No. [illegible] | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address [illegible] TRANS (415) 541-2557
[illegible] 94105

4. Generator's Phone ( ) [illegible]

A. State Manifest Document Number 89563465

B. State Generator's ID [illegible]

5. Transporter 1 Company Name [illegible] | 6. US EPA ID Number CAT980082808

C. State Transporter's ID 125834

D. Transporter's Phone [illegible]

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address [illegible] IDAHO | 10. US EPA ID Number IDD073114654

G. State Facility's ID

H. Facility's Phone 208 [illegible]

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [illegible] SOLID, N.O.S.	001	DT	00018	Y	State 352; EPA/Other [illegible]
b.					State [illegible]; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

23.4T

J. Additional Descriptions for Materials Listed Above [illegible]

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
* High St. OAKLAND * EMERGENCY 1-800-326-4826
(NET [illegible] LBS)

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. HILL	[signature]	06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Michael K. Tatum	Michael K. Tatum	06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. CAD 0069132006	Manifest Document No. 90742	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address [redacted] ...IC TRANS ... PLAZA ... FRANCISCO, CA 94105

A. State Manifest Document Number 89563467

B. State Generator's ID HAHQ36009030

4. Generator's Phone [redacted]

5. Transporter 1 Company Name [redacted] 6. US EPA ID Number CAD982417347

C. State Transporter's ID 104572

D. Transporter's Phone 805 979-4230

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID 104572

F. Transporter's Phone (805) 399-4736 [illegible]

9. Designated Facility Name and Site Address [redacted] ...SERVICES of IDAHO ... ID 83624 10. US EPA ID Number IDD073114654

G. State Facility's ID

H. Facility's Phone 208 834-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ...HAZARDOUS WASTE SOLID, N.O.S. ... NA9189	001	DT	00019	Y	State 181 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

24.7 T

J. Additional Descriptions for Materials Listed Above [redacted]

K. Handling Codes for Wastes Listed Above [redacted]

15. Special Handling Instructions and Additional Information

[illegible] High St. [illegible] EMERG. # 800 326-4826

C 51850[illegible] 1240[illegible]

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT Earl G. Hill	[signature]	06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
David Rohde	[signature]	06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Form Approved OMB No. 2050—0039 (Expires [illegible]) ... Sacramento, California
Please print or type. (Form designed for use on elite (12-pitch) typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 0 9 6 9 1 3 2 0 6	Manifest Document No. 30014	2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: SOUTHERN PACIFIC TRANS ONE MARKET [illegible] SAN FRANCISCO, CA 94105
4. Generator's Phone (415) 541-2557

A. State Manifest Document Number 89563470
B. State Generator's ID [illegible]

5. Transporter 1 Company Name [illegible] — 6. US EPA ID Number CAD 9 8 2 5 2 7 6 9 [illegible]
C. State Transporter's ID 000107
D. Transporter's Phone [illegible] 885-8770

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address [illegible] OF IDAHO [illegible] 83624 — 10. US EPA ID Number IDD073114654
G. State Facility's ID
H. Facility's Phone 208 834-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [illegible] WASTE SOLID, NOS [illegible]	001	DT	00210	Y	State [illegible] EPA/Other [illegible]
b.					State / EPA/Other
c. 13					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above [illegible]
K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information * High St. Oakland emergency # 1-800-326-4026 [illegible] C 79 # 8

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. HILL	[signature]	06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Larry M. Courtney	Larry M. Courtney	06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039
Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA D00691 3206
Manifest Document No.: 39742
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: SOUTHERN PACIFIC TRANS. ... SAN FRANCISCO, CA 94105
4. Generator's Phone

A. State Manifest Document Number: 89563468
B. State Generator's ID

5. Transporter 1 Company Name
6. US EPA ID Number: CHD981633316
C. State Transporter's ID: 005986-00595
D. Transporter's Phone: 1856

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: ... OF IDAHO
10. US EPA ID Number: IDD073114654
G. State Facility's ID
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ... WASTE SOLID, N.O.S.	002	DT	00017	Y	
b.					
c.					
d.					

24.7 T

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
* High St. OAKLAND * EMERG. # 1-800-328-4826

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. Hill	[signature]	06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
X Ernie Crumpler	[signature]	06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

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Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD006913206	507HR	1	

3. Generator's Name and Mailing Address: SOUTHERN PACIFIC TRANS, ONE MARKET PLAZA, SAN FRANCISCO CA. 94105 — 415 541-2557

4. Generator's Phone ( )

A. State Manifest Document Number: 89563469

B. State Generator's ID: [illegible] 36009030

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	D. Transporter's Phone
[illegible] Trucking	CAD981163316	113472-113479	[illegible]-779-1856

7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID	F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility's ID	H. Facility's Phone
[illegible] of IDAHO, [illegible] 83624	IDD073114654		208 834-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid N.O.S. [illegible]	002 (24)	DT	00019	Y	State 352; EPA/Other D006 [illegible]
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

24.7

J. Additional Descriptions for Materials Listed Above: [illegible]

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: *High St. OAKLAND* EMERGENCY # 1-800 [illegible] 26 ([illegible])

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. Hill	[signature]	061290

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Robert Atkins	[signature]	061290

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Form Approved OMB No. 2050—0039 (Expires 9-30-91) Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

14429A

50,200

Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD009193626

Manifest Document No. 30742

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number 89930742

3. Generator's Name and Mailing Address
Southern Pacific Transportation
One Market Plaza Room 1004
San Francisco, CA 94105

4. Generator's Phone ( )

B. State Generator's ID

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
...of Idaho
...83624

10. US EPA ID Number IDD073114654

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ... NA9189 ... ORM-E	011	DT	22019	Y	State / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

2497

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
In case of spill contact IT Emergency Response at 415-372-9100

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
Authorized Agent EARL G HILL	[signature]	061290

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Glen Colby	[signature]	061290

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space
11a. (EP EPA TOXICITY) omitted
[signature] 6/13/90 @ 11:15

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
NANCY MADARIETA	Nancy Madarieta	061390

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR / TRANSPORTER / FACILITY

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires [illegible])
Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Department of Health Services
Toxic Substances Control Division
Sacramento, California

14419B   50,500

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	CAD 0 6 9 1 3 2 0 6
Manifest Document No.	3 0 7 / 4 2
2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address	[illegible] TRANS [illegible]
4. Generator's Phone	(415) 541-2557
[illegible]	[illegible] CA 94105
A. State Manifest Document Number	89563321
B. State Generator's ID	HAH 0 3 6 0 0 9 0 3 0
5. Transporter 1 Company Name	[illegible] Trucking
6. US EPA ID Number	CAD 9 8 2 4 1 7 3 4 7
C. State Transporter's ID	104573
D. Transporter's Phone	805 399 4736
7. Transporter 2 Company Name	
8. US EPA ID Number	
E. State Transporter's ID	
F. Transporter's Phone	
9. Designated Facility Name and Site Address	[illegible] of IDAHO [illegible]
10. US EPA ID Number	IDD 0 7 3 1 1 4 6 5 4
G. State Facility's ID	
H. Facility's Phone	208 834-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON-HAZARDOUS WASTE SOLID, N.O.S. [illegible]	001	DT	00020	Y	State [illegible] / EPA/Other [illegible]
b. [illegible]					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: [illegible] (PROFILE 1090 B)

K. Handling Codes for Wastes Listed Above: [illegible] D3

15. Special Handling Instructions and Additional Information
Na = SOIL + GRAVEL - 90-98%
OIL + Grease <1%
EMERG. # 1-800-326-4826
* High St. OAKLAND * (Total [illegible] LBS)

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. Hill	[signature]	06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Frank Costa Jr.	Frank Costa Jr.	06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space
14a initial change
11a. (EP EPA TOXICITY) omitted
[illegible] Nestor Mejia 6/13/90 @ 11:15

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
NANCY MADARIETA	Nancy Madarieta	06 13 90

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

Attachment 3

Lab Results and Soil Sampling Location Map

Curtis & Tompkins, Ltd.

LAB NUMBER: 100325-5
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-100

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	22
AROCLOR 1232	ND	22
AROCLOR 1016	ND	22
AROCLOR 1242	520	22
AROCLOR 1248	ND	22
AROCLOR 1254	ND	22
AROCLOR 1260	69	22
AROCLOR 1262	ND	22

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

Curtis & Tompkins, Ltd.

LAB NUMBER: 100325-6
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-101

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	220
AROCLOR 1232	ND	220
AROCLOR 1016	ND	220
AROCLOR 1242	ND	220
AROCLOR 1248	ND	220
AROCLOR 1254	2,500	220
AROCLOR 1260	ND	220
AROCLOR 1262	ND	220

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

Curtis & Tompkins, Ltd.

LAB NUMBER: 100325-7
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-102

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	220
AROCLOR 1232	ND	220
AROCLOR 1016	ND	220
AROCLOR 1242	ND	220
AROCLOR 1248	ND	220
AROCLOR 1254	1,500	220
AROCLOR 1260	ND	220
AROCLOR 1262	ND	220

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

Curtis & Tompkins, Ltd.

LAB NUMBER: 100325-8
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-103

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	220
AROCLOR 1232	ND	220
AROCLOR 1016	ND	220
AROCLOR 1242	ND	220
AROCLOR 1248	ND	220
AROCLOR 1254	ND	220
AROCLOR 1260	1,600	220
AROCLOR 1262	ND	220

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

Curtis & Tompkins, Ltd.

LAB NUMBER: 100325-9
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-104

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	22
AROCLOR 1232	ND	22
AROCLOR 1016	ND	22
AROCLOR 1242	ND	22
AROCLOR 1248	ND	22
AROCLOR 1254	ND	22
AROCLOR 1260	ND	22
AROCLOR 1262	ND	22

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

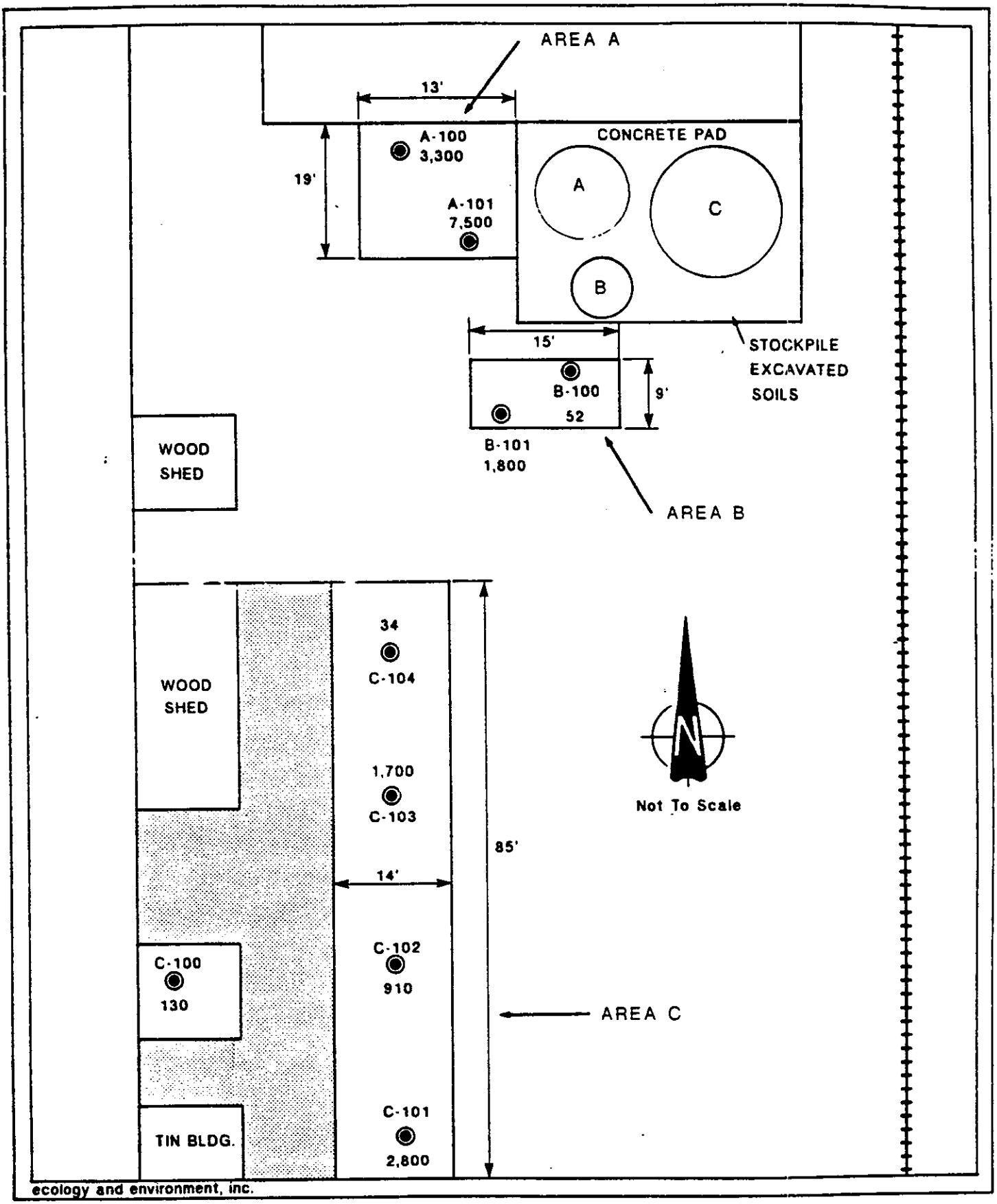


Figure 1 SAMPLING LOCATION MAP
TOTAL PETROLEUM HYDROCARBON (mg/kg. ppm)

June 16, 1992

Mr. John Bacon
South City Lumber
499 Railroad Avenue
South San Francisco, CA 94080

Subject: Level Two Environmental Site Assessment at the New Lumber Yard at 744 High Street, Oakland, California, for Mr. John Bacon (Earth Metrics file reference 11968)

Dear Mr. Bacon:

The following are the results of the subsurface soil analysis performed by Earth Metrics for Mr. John Bacon at the above-referenced site. The assessment was prepared in conformance with accepted practices for such studies and the in-house quality assurance program of Earth Metrics.

Prior to Mr. Bacon upgrading the property by building a lumber yard on the subject site, the site was used, perhaps, by car thieves to dismantle cars, and people lived in the building with out running water or facilities. The neighborhood around the subject site has been greatly improved by the addition of the lumber yard.

As per the Statement of Work between Earth Metrics and Mr. John Bacon, Earth Metrics Incorporated constructed, purged, and sampled one well to assess the presence of potential polychlorinated biphenyls (PCB's). The investigation involved purging and sampling one existing well on site. The well was purged and sampled on six previous dates (see Table 1). On December 4, 1992 and June 25, 1992 no PCB's were detected in the well.

The site was paved and the six wells remain on site. The groundwater direction at the site is known to be to from the northeast to the southwest. Remedial Action, as stated by Ecology and Environment, is complete. The wells should be closed and no further action should be taken at the site.

Ecology and Environment, Inc. scraped the site and removed the soil from the site. Ecology and Environment has indicated that their remedial action at the subject site has been completed. The responsibility to remove soil with residual concentrations of PCBs from the subject site and disposal of said soil should remain with the previous owner, the Southern Pacific Transportation Company, and their consultant, Ecology and Environment.

TABLE 1
ANALYTICAL RESULTS OF INVESTIGATION
FROM WELLS
AT
744 HIGH STREET
OAKLAND, CALIFORNIA

Sample ID DATE	PCB's IN WATER ppb
A-1	
5-26-89	ND
7-28-89	NT
12-4-90	ND
6-25-90	ND
10-6-90	ND
A-5	
5-26-89	ND
7-28-89	ND
12-4-90	ND
6-25-90	ND
10-6-90	ND
B-2	
5-26-89	ND
7-28-89	ND
12-4-90	ND
6-25-90	ND
10-6-90	ND
C-2	
5-26-89	1.0
7-28-89	0.61
12-4-90	ND
6-25-90	ND
10-6-90	ND
C-5	
5-26-89	ND
7-28-89	ND
12-4-90	ND
6-25-90	ND
10-6-90	ND
4-7-91	ND
C-6	
5-26-89	ND
7-28-89	ND
12-4-90	ND
6-25-90	ND
10-6-90	0.59

The extent of off-site PCB contamination in the soil should be addressed by the previous owner, Southern Pacific Transportation, because they are the responsible party and the current owner of the off-site property.

The analytical results of the groundwater samples from C-5 on the subject site detected no PCBs. The following procedure was followed during well purging and sampling.

This portion of the report addresses procedures for collecting water samples for laboratory analyses after boring installation and after subjective analysis yields no evidence of free product. The laboratory analysis conducted for this assessment was Total Petroleum Hydrocarbons, such as gasoline with Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) (Environmental Protection Agency (EPA) method 8015).

A trip blank (prepared in the laboratory) was not deemed necessary. Carrying a trip blank is subject to the Project Geologist's discretion.

Objective visual inspection is essential to the accurate measurement of groundwater levels because it establishes whether floating product is present in the boring. Objective inspection also provides cursory evaluation to the extent of contamination at a site. The following steps were used to obtain an objective inspection.

- Clean the bailer with soap and triple rinse. Start with the boring which is suspected to have the least contamination (in this case, B1).

- Slowly lower the bailer into the boring until water resistance is felt.

- Lower the bailer further (approximately one-half the length of the bailer) into the water.

- Remove the bailer and examine the water sample.

- The following entries should be made on the Well Sampling Log if applicable:

  Floating Product (none found in any of the borings). If floating product is found, then product thickness is recorded to the nearest one-eighth inch if possible, and a photograph of the bailer and its contents is taken.

  Product Odor. The bailer should not be sniffed intentionally for product odor. (No evidence of product odor was detected. The PID did detect evidence below two ppm of volatile organics and this was recorded.)

  The PID was used to determine the amount of vapors emanating from the water. No detectable level of hydrocarbons was found in the air above the water in any of the borings.

Sheen. Sheen is a discoloration or shining which occurs when petroleum products are found in the water. Sheen is usually exhibited as a colorful spectrum of reflected light from the water. (At times, the water must be poured out of the bailer to check for sheen. In this situation, care must be taken so that the water is containerized in a temporary storage drum and not allowed to escape into the environment.) Subjective evaluations for surface sheen were made, and no sheen was found.

Emulsion. Emulsion is a separation of phases, when two immiscible liquids are mixed and displayed as minute globules or colloids of one liquid dispersed through the other. Emulsion can be a discontinuous layer, globules of product, or a milky layer that separates the floating product and water in the bailer. No emulsion was detected in any of the borings.

Color. Color can be used to differentiate age and type of floating hydrocarbon product. Floating product was not encountered in any borings. Evidence of microbial action was not detected in any of the borings.

No floating product was found in any of the borings on the subject site. Odor was noticed emanating from wells MW 2 and MW 3. The PID was used to determine volatile organic concentration, and any reading was noted on the boring logs; all readings were equal to zero. The water from MW-2 did not clean up as well as was expected and therefore the turbidity remained high after purging 10 gallons from the boring.

The above-mentioned observations were made after installing the well; as well as before, during, and after purging and sampling the boring. All observations were noted in the field notes, which have been reproduced.

Four well volumes of groundwater were purged from the well. Temperature/conductivity and pH (negative logarithm of the hydrogen ion concentration) readings were taken for the water being discharged from the bailers.

After allowing the well to recover to 80 percent or more of the initial casing volume, a disposable bailer was lowered down the boring until water was encountered in the boring. The bailer was then slowly lowered half the distance of the length of the bailer and then removed from the boring. All samples were taken the same day as the purge event so as not to allow the volatile organic to dissipate.

All monitoring wells on the site were purged and sampled in this fashion.

Sample water was gathered in 40-milliliter vials and one-liter glass vials. Samples were preserved by adding HCL to the 40-milliliter vials and by placing all the samples on ice to chill. A Chain of Custody was initiated and accompanied the samples to the laboratory. The samples were delivered to Sequoia Analytical Laboratory in good shape with no air bubbles, at the correct temperature, and at the correct pH.

The undersigned under penalty of perjury pledges that the facts presented herein are based upon available information discovered by Earth Metrics or presented to Earth Metrics and represent existing conditions at the site at the time of the investigation.

Sincerely,

R. Mark Armstrong
Senior Environmental Engineering
Geologist/Project Manager
Registered Environmental Assessor 03713

Marc R. Papineau
Manager, Physical Sciences Department
Registered Environmental Assessor 00791

Enclosed:

Chain of Custody, Lab Results, and Water Well Data Sheet

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Earth Metrics	Client Project ID:	#11968	Sampled:	Apr 7, 1992
7000 Marina Blvd.	Sample Descript:	Water, #1, W-9-MW6	Received:	Apr 8, 1992
Brisbane, CA 94005	Analysis Method:	EPA 8080		
Attention: Mark Armstrong	Lab Number:	204-1447	Analyzed:	Apr 14, 1992
			Reported:	Apr 20, 1992

POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit µg/L	Sample Results µg/L
PCB 1016	0.50	N.D.
PCB 1221	2.0	N.D.
PCB 1232	0.50	N.D.
PCB 1242	0.50	N.D.
PCB 1248	0.50	N.D.
PCB 1254	0.50	N.D.
PCB 1260	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Earth Metrics
7000 Marina Blvd.
Brisbane, CA 94005
Attention: Mark Armstrong

Client Project ID: #11968

QC Sample Group: 204-1447

Reported: Apr 20, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	AR 1260

Method:	EPA 8080
Analyst:	D.Dreblow
Reporting Units:	µg/L
Date Analyzed:	Apr 10, 1992
QC Sample #:	GBLK040892

Sample Conc.:	N.D.
Spike Conc. Added:	500
Conc. Matrix Spike:	510
Matrix Spike % Recovery:	100
Conc. Matrix Spike Dup.:	350
Matrix Spike Duplicate % Recovery:	70
Relative % Difference:	37

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

% Recovery:	Conc. of M.S. - Conc. of Sample / Spike Conc. Added	x 100
Relative % Difference:	Conc. of M.S. - Conc. of M.S.D. / (Conc. of M.S. + Conc. of M.S.D.) / 2	x 100

CHAIN OF CUSTODY RECORD

PROJ. NO.	SITE NAME AND ADDRESS	TYPE/ NUMBER CON- TAINERS	PCB's (8080)	REMARKS
11968	750 High			
SAMPLERS: SIGNATURE				

STA.NO. (LABEL)	DATE	TIME	COMP.	GRAB	STATION LOCATION (NARRATIVE DESCRIPTION)	TYPE/ NUMBER CON- TAINERS	PCB's (8080)	REMARKS
1	4-8-92	11:00		✓	W-9-MW6	2 1 L Hcl	✓	

Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time	REMARKS: 15 day TAT
[signature]	4-8-92 / 12:30	[signature]	4-8-92 / 1230	Provide QA/QC Report & Calibration
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time	
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time	

EARTH METRICS INCORPORATED
7000 Marina Blvd., 4th Floor
Brisbane, California 94005
Tel (415) 742-9900 Fax (415) 742-1033

WATER WELL DATA SHEET

earth metrics

DATE 4-9-92
SAMPLER AMA

WELL #	DEPTH H2O	SUBJECTIVE ANALYSIS				PURGE VOLUME	TEMP.	pH	CONDUCTIVITY
		PRO	SHEEN	EMULS	ODOR				
MW 6	9'2.5"	–	–	–	–	^	65	7.1	1.1 x 10³
						5	62	7.2	1.18 x 10³
						10	60	7.3	1.26 x 10³

June 16, 1992
Revised May 18, 1993

Mr. Britt Johnson
Hazardous Materials Specialist
Alameda County Health Agency
Department of Environmental Health
80 Swan Way, Room #200
Oakland, CA 94621

Subject: Request for Your Review of the Enclosed Statement of Work Completed, Test Results of Samples Taken, and Well Monitoring of MW-5 (C-5) at the New Lumber Yard at 744 High Street, Oakland, California on April 8, 1992 (CERTIFIED/Earth Metrics file reference 11968) Which Will Hopefully Result in your Recommendation of Letter of Closure to RWQCB

Dear Mr. Johnson:

We are writing you at the request of John Bacon, owner of the property fronting on High Street adjacent to the westerly boundary of the Southern Pacific Railroad main line right-of-way, formerly known as 744 and 758 High Street. The subject property is now known, along with an unrelated contiguous parcel to the west, as 750 High Street. CERTIFIED/Earth Metrics recommends case closure and closure of all six monitoring wells based upon monitoring results on consecutive sampling events (see Table 1), soil verification sampling results (see Table 2), and apparent absence of any significant health or environmental risks.

BACKGROUND INFORMATION

Surface soil contamination with PCBs was discovered and remediated by Southern Pacific Transportation Company (SPTC). Ecology and Environment Inc. (consultant to SPTC) scraped the site and removed the soil from the site (see transportation documentation attached). Ecology and Environment has indicated that their remedial action at the subject site has been completed, as evidenced by post-excavation soil verification sampling and testing (see Table 2).

The site was paved in 1991 and the six wells installed by Ecology and Environment remain on site (see Figure 1). The ground-water direction at the site is known to be from the northeast to the southwest. Remedial action, as stated by Ecology and Environment, is complete.

As per the Statement of Work between CERTIFIED/Earth Metrics and Mr. John Bacon, CERTIFIED/Earth Metrics repaired, purged, and sampled one well (C-5), the farthest downgradient, to assess the presence of potential polychlorinated biphenyls (PCBs). The investigation involved repair, purging, and sampling one existing well (C-5) on site. The well was purged and sampled on six previous dates (see Table 1). On May 26, July 28 and December 4, 1989 and on June 25 and September 6, 1990, no PCBs were detected in well C-5. Additional ground water sampling and analysis of MW-5 (C-5) performed by CERTIFIED/Earth Metrics for Mr. John Bacon at the above-referenced site on April 8, 1992, showed no detectable PCBs in well C-5.

C-5 WELL MONITORING RESULTS

The analytical results of April 8, 1992, supplemental sampling of the ground water from C-5 on the subject site showed no detectable PCBs. The following procedure was followed during well purging and sampling.

Four well volumes of ground water were purged from the well. Temperature/ conductivity and pH readings were taken for the water being discharged from the bailers.

After allowing the well to recover to 80 percent or more of the initial casing volume, a disposable bailer was lowered down the boring until water was encountered in the boring. The bailer was then slowly lowered half the distance of the length of the bailer and then removed from the boring. All samples were taken the same day as the purge event.

Monitoring well C-5 was purged and sampled in the following fashion. Sample water was gathered in one-liter glass jars. Samples were preserved by placing all the samples on ice to chill. A Chain of Custody was initiated and accompanied the samples to the laboratory. The samples were delivered to Sequoia Analytical Laboratory in good condition, at the correct temperature, and at the correct pH.

CONCLUSION

The Non-Detection status of PCBs in monitoring wells A-1, A-5, B-2, C-2, MW-5 (C-5), and C-6 on four to five consecutive sampling events, post excavation soil verification/ test results, and absence of any apparent health or environmental risks are reasons to close this case at 750 High Street (formerly 744 High Street), Oakland. Ground water sampled from well C-6 on September 6, 1990, contained 0.59 ppb which is marginally above detection limit (0.5 ppb). Therefore, CERTIFIED/Earth Metrics recommends closure of all wells including well C-6 and also recommends case closure.

The assessment was prepared in conformance with accepted practices for such studies and the in-house quality assurance program of CERTIFIED/Earth Metrics. The undersigned under penalty of perjury pledge that the facts presented herein are based upon available information discovered by CERTIFIED/Earth Metrics or presented to CERTIFIED/Earth Metrics and represent existing conditions at the site at the time of the investigation.

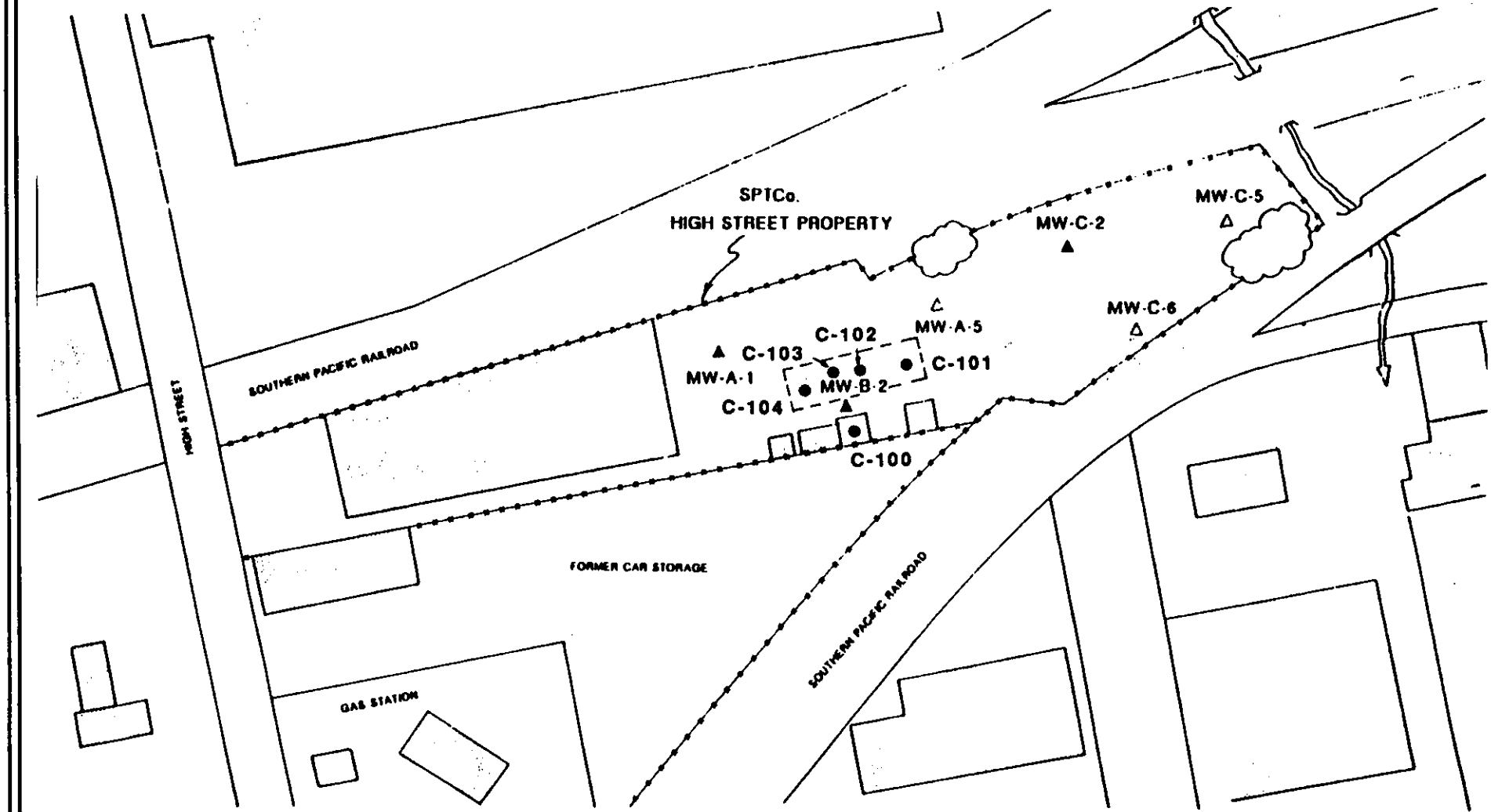
Sincerely,

_____

Marc R. Papineau
Manager, Physical Sciences Department
Registered Environmental Assessor 00791

Enclosed: Chain of Custody, Lab Results, Water Well Data Sheet (Attachment 1)
Soil Transportation/Disposal Documentation (Attachment 2)
Lab Results, Soil Sampling Location Map (Attachment 3)

cc: Mr. John Bacon, Owner
Mr. Richard Hiett, RWQCB



N Scale: 0 50 100
SCALE IN FEET

CERTIFIED/Earth Metrics

FIGURE 1.
SPTCo HIGH STREET
PHASE II GROUNDWATER AND SOIL
SAMPLING LOCATIONS

TABLE 1. ANALYTICAL RESULTS OF INVESTIGATION FROM WELLS AT 744 HIGH STREET, OAKLAND, CALIFORNIA (ppb)

SAMPLE ID DATE	PCBs IN WATER ppb	NOTES
A-1		
5-26-89	ND	ND means not
7-28-89	NT	detected
12-4-89*	ND	
6-25-90	ND	NT means not
9-6-90	ND	tested
A-5		
5-26-89	ND	
7-28-89	ND	
12-4-89*	ND	
6-25-90	ND	
9-6-90	ND	
B-2		
5-26-89	ND	
7-28-89	ND	
12-4-89*	ND	
6-25-90	ND	
9-6-90	ND	
C-2		
5-26-89	1.0	
7-28-89	0.61	
12-4-89*	ND	
6-25-90	ND	
9-6-90	ND	

(CONTINUED)

TABLE 1 (CONTINUED). ANALYTICAL RESULTS OF INVESTIGATION FROM WELLS AT 744 HIGH STREET, OAKLAND, CALIFORNIA

SAMPLE ID DATE	PCBs IN WATER (ppb)	NOTES
C-5		
5-26-89	ND	
7-28-89	ND	
12-4-89*	ND	
6-25-90	ND	
9-6-90	ND	
4-8-92	ND	
C-6		
5-26-89	ND	
7-28-89	ND	
12-4-89*	ND	*12-4-89 was reported by Ecology and Environment as 12-4-90
6-25-90	ND	
9-6-90	0.59	

ppb = parts per billion

Source: Ecology & Environment
Enseco, 1990
CERTIFIED/Earth Metrics, 1992

TABLE 2. ANALYTICAL RESULTS OF APRIL 30/MAY 1, 1990 POST-EXCAVATION SAMPLING AT 744 HIGH STREET, OAKLAND, CALIFORNIA (PPM)

SAMPLE ID	TOTAL PCBs IN SOIL (ppm)	NOTES
C-100	0.6	Arochlor 1242 & 1260
C-101	2.5	Arochlor 1254
C-102	1.5	Arochlor 1254
C-103	1.6	Arochlor 1260
C-104	ND (0.02)	

ND = None detected above 0.02 ppm
PPM = parts per million

Source: Reported by Ecology and Environment, Inc., Curtis & Tomkins, Ltd., May 2, 1990

Attachment 1

Chain of Custody, Lab Results, and Water Well Data Sheet

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

8 mw

Earth Metrics	Client Project ID:	#11968	Sampled:	Apr 7, 1992
7000 Marina Blvd.	Sample Descript:	Water, #1, W-9-MW6-5 C-5 MW	Received:	Apr 8, 1992
Brisbane, CA 94005	Analysis Method:	EPA 8080		
Attention: Mark Armstrong	Lab Number:	204-1447	Analyzed:	Apr 14, 1992
			Reported:	Apr 20, 1992

POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit µg/L	Sample Results µg/L
PCB 1016	0.50	N.D.
PCB 1221	2.0	N.D.
PCB 1232	0.50	N.D.
PCB 1242	0.50	N.D.
PCB 1248	0.50	N.D.
PCB 1254	0.50	N.D.
PCB 1260	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Earth Metrics
7000 Marina Blvd.
Brisbane, CA 94005
Attention: Mark Armstrong

Client Project ID: #11968

QC Sample Group: 204-1447

Reported: Apr 20, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	AR 1260

Method:	EPA 8080
Analyst:	D.Dreblow
Reporting Units:	µg/L
Date Analyzed:	Apr 10, 1992
QC Sample #:	GBLK040892

Sample Conc.:	N.D.
Spike Conc. Added:	500
Conc. Matrix Spike:	510
Matrix Spike % Recovery:	100
Conc. Matrix Spike Dup.:	350
Matrix Spike Duplicate % Recovery:	70
Relative % Difference:	37

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

% Recovery:	$\frac{\text{Conc. of M.S. - Conc. of Sample}}{\text{Spike Conc. Added}}$	x 100
Relative % Difference:	$\frac{\text{Conc. of M.S. - Conc. of M.S.D.}}{\text{(Conc. of M.S. + Conc. of M.S.D.) / 2}}$	x 100

CHAIN OF CUSTODY RECORD

PROJ. NO. 11968

SITE NAME AND ADDRESS: 750 High

SAMPLERS: SIGNATURE [signature]

STA.NO. (LABEL)	DATE	TIME	COMP.	GRAB	STATION LOCATION (NARRATIVE DESCRIPTION)	TYPE/ NUMBER CON-TAINERS	PCB's (8080)							REMARKS
1	4-8-92	11:00		✓	W-9-MW#5 C-5	2 1 l. Ace	✓							

Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
[signature]	4-8-92 / 12:30	[signature]	4-8-92 / 1230
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time

REMARKS: 15 day TAT

Provide QA/QC Report & Calibration

EARTH METRICS INCORPORATED
7000 Marina Blvd., 4th Floor
Brisbane, California 94005
Tel (415) 742-9900 Fax (415) 742-1033

WATER WELL DATA SHEET

earth metrics

DATE 4-8-92 A-8-92 MP
SAMPLER AMH

WELL #	DEPTH H2O	SUBJECTIVE ANALYSIS				PURGE VOLUME	TEMP.	pH	CONDUCTIVITY
		PRO	SHEEN	EMULS	ODOR				
MW-5	9'2.5"	-	-	-	-	0	65	7.1	1.1 x 10³
C-5	MP					5	62	7.2	1.18 x 10³
						10	60	7.3	1.26 x 10³

QC LOT ASSIGNMENT REPORT
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
054710-0001-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0002-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0003-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0004-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0005-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0006-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0007-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A
054710-0008-SA	AQUEOUS	PCB-A	12 SEP 90-A	12 SEP 90-A

METHOD BLANK REPORT
Semivolatile Organics by GC

Analyte	Result	Units	Reporting Limit
Test: 608-PCB-A			
Matrix: AQUEOUS			
QC Lot: 12 SEP 90-A QC Run: 12 SEP 90-A			
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS Limit	
Category: PCB-A Matrix: AQUEOUS QC Lot: 12 SEP 90-A Concentration Units: ug/L								
Aroclor 1254	5.0	3.93	4.11	4.02	80	52-136	4.5	3(

Calculations are performed before rounding to avoid round-off errors in calculated results.

Ensec

SAMPLE DESCRIPTION INFORMATION
for
Ecology and Environment

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
054710-0001-SA	MWA-1	AQUEOUS	06 SEP 90		07 SEP 90
054710-0002-SA	MWA-5	AQUEOUS	06 SEP 90		07 SEP 90
054710-0003-SA	MWB-2	AQUEOUS	06 SEP 90		07 SEP 90
054710-0004-SA	MWB-3	AQUEOUS	06 SEP 90		07 SEP 90
054710-0005-SA	MWB-4	AQUEOUS	06 SEP 90		07 SEP 90
054710-0006-SA	MWC-2	AQUEOUS	06 SEP 90		07 SEP 90
054710-0007-SA	MWC-5	AQUEOUS	06 SEP 90		07 SEP 90
054710-0008-SA	MWC-6	AQUEOUS	06 SEP 90		07 SEP 90

Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWA-1
Lab ID: 054710-0001-SA Enseco ID: 164820
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

The cover letter is an integral part of this report.
Rev 230787

Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWA-5
Lab ID: 054710-0002-SA Enseco ID: 164821
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

The cover letter is an integral part of this report.
Rev 230787

Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWB-2
Lab ID: 054710-0003-SA Enseco ID: 164822
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

The cover letter is an integral part of this report.
Rev 230787

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWB-3
Lab ID: 054710-0004-SA Enseco ID: 164823
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

The cover letter is an integral part of this report.
Rev 230787

Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWB-4
Lab ID: 054710-0005-SA
Enseco ID: 164824
Matrix: AQUEOUS
Sampled: 06 SEP 90
Received: 07 SEP 90
Authorized: 10 SEP 90
Prepared: 12 SEP 90
Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf
Approved By: Lisa Stafford

The cover letter is an integral part of this report.
Rev 230787

Ensec

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWC-2
Lab ID: 054710-0006-SA Enseco ID: 164825
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

The cover letter is an integral part of this report.
Rev 230787

Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWC-5
Lab ID: 054710-0007-SA Enseco ID: 164826
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	ND	ug/L	0.50

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

The cover letter is an integral part of this report.
Rev 230787

Enseco

PCBs

Method 608

Client Name: Ecology and Environment
Client ID: MWC-6
Lab ID: 054710-0008-SA Enseco ID: 164827
Matrix: AQUEOUS Sampled: 06 SEP 90 Received: 07 SEP 90
Authorized: 10 SEP 90 Prepared: 12 SEP 90 Analyzed: 18 SEP 90

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	0.065
Aroclor 1221	ND	ug/L	0.065
Aroclor 1232	ND	ug/L	0.065
Aroclor 1242	ND	ug/L	0.065
Aroclor 1248	ND	ug/L	0.065
Aroclor 1254	ND	ug/L	0.50
Aroclor 1260	0.59	ug/L	0.50

1000 ST-

ND = Not detected
NA = Not applicable

Reported By: Lisa Weiskopf Approved By: Lisa Stafford

The cover letter is an integral part of this report.
Rev 230787

ecology and environment, inc.
300 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-8060
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Page 1 of _

Project No.:	Project Name:	Project Manager:
SP-8060	SP - HIGH STREET	COLIN MOY

Samplers: (Signatures) Bob Enkeboll / Chris Lukas

Field Team Leader: Bob Enkeboll

STATION NUMBER	DATE	TIME	SAMPLE TYPE: COMP	SAMPLE TYPE: GRAB	SAMPLE TYPE: AIR	SAMPLE INFORMATION — EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	PCBs	REMARKS
	9/6			X		MWA-1	low	1	X	Received in good condition
	9/6			X		MWA-5	low	1	X	
	9/6			X		MWB-2	low	1	X	
	9/6			X		MWB-3	low	1	X	
	9/6			X		MWB-4	low	1	X	
	9/6			X		MWC-2	low	1	X	
	9/6			X		MWC-5	low	1	X	
	9/6			X		MWC-6	low	1	X	

Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Bob Enkeboll	9/6/90; 1550				
Relinquished By: (Signature)	Date/Time:	Received By: (Signature)	Relinquished By: (Signature)	Date/Time:	Received By: (Signature)
Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature) Nigel Mahabir 9-7-90 0910	Relinquished By: (Signature)	Date/Time:	Received For Laboratory By: (Signature)

Ship Via: FEDERAL EXPRESS

BL/Airbill Number: 833654667 6

Date: 9/6/90

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form.

234095

Attachment 2

Soil Transportation/Disposal Documentation

OAKLAND HIGH ST.

INTERNATIONAL TECHNOLOGY CORPORATION

J. Civil

JUL 3 1990

June 22, 1990

John Moe
Southern Pacific Transportation
One Market Plaza
San Francisco, Ca. 94105

Dear John,

Please be advised that all the stockpiled soil at 744 High Street has been disposed at Envirosafe Services of Idaho. Loadout of trucks was accomplished on 6-12-90 and back fill of the excavations and grading was completed on 6-14-90.

Please find enclosed your copies of the manifests generated during the loadout. There was 9½ loads generated. I have already mailed DOHS copies to them.

I have already informed Bob Enkeboll of the completion.

If I can answer further questions or be of service to Southern Pacific Transportation on this or any other projects please call me at 372-9100.

It is a pleasure to work with you on these projects.

Sincerely,

Larry Hudson
Project Coordination Manager
IT Environmental Services

[redacted] California—Health and Welfare Age[redacted] [redacted]92012
[redacted]roved OMB No. 2050—0039 (Ex[redacted]
Please print or type. (Form designed fo[redacted]typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZAR[redacted] WASTE MANI[redacted]	[redacted]tor's US EPA ID No. [redacted]D00697320[redacted] Manifest Document No. 30792	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and [redacted] SOUTHER[redacted]TRANS 415 541-2557
ONE M[redacted]
[redacted]CISCO, CA 94105
4. Generator's Phone [redacted]

A. State Manifest Document Number 89563466
B. State Generator's ID [redacted]

5. Transporter 1 Co[redacted] [redacted] 6. US EPA ID Number CAT080032808
C. State Transporter's ID 105831 105830
D. Transporter's Phone 408 262-7726

7. Tra[redacted] 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. D[redacted] IDAHO 10. US EPA ID Number IDD073114654
G. State Facility's ID
H. Facility's Phone 208 [redacted]2275

11. [redacted]cription (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [redacted] SOLID, NOS	[redacted]	DT	00918	Y	State [redacted] EPA/Other [redacted]
b. [redacted]					State EPA/Other
c. [redacted]					State EPA/Other
d. [redacted]					State EPA/Other

23.4 T

J. Additional Descri[redacted] [redacted] K. Handling Codes for [redacted] above
[redacted]

15. Special Handling Instructions and Additional Information
* HIGH[redacted] OAKLAND * EMERGENCY # 1-800 326-4826
NET (48400 LBS)

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. Hill	[signature]	061290

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Randall J Cole	Randall J Cole	061290

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-91)
Please print or type.—(Form designed for use on elite (12-pitch) typewriter).

JP 42012

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD00691 3806	30742	of 1	

3. Generator's Name and Mailing Address: [illegible] C TRANSPORTATION [illegible] (415) 411-2557 [illegible] CA. 94105

4. Generator's Phone ( )

A. State Manifest Document Number: 89563322

B. State Generator's ID: HAHQ 36008030

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID: 105835
[illegible]	CAT080032808	D. Transporter's Phone: 208-262-7126

7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone

9. Designated Facility Name and Site Address: [illegible] SERVICES OF IDAHO [illegible] GRANDVIEW, ID. 83624

10. US EPA ID Number: IDD073114654

G. State Facility's ID

H. Facility's Phone: 208 834 2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE SOLID NO.S. ORM-E NA9189	001	DT	00019	Y	State: 181; EPA/Other: [illegible]
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

24.7T

J. Additional Descriptions for Materials Listed Above [illegible]

K. Handling Codes for Wastes Listed Above [illegible]

15. Special Handling Instructions and Additional Information: *HIGH ST OAKLAND* EMERG # 1-800-326-4822 (47,000 LBS) (49,380 NET LBS) AVOID SKIN CONTACT WEAR PRO-CLOTHING WHEN HANDLING

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
AUTHORIZED AGENT EARL G. HILL	[signature]	09	12	90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JAMES R. SERNACH	[signature]	06	12	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050-0039
Please print or type. (Form designed for use on elite (12-pitch) typewriter).

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD00691320G | Manifest Document No.: 30712 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: [illegible] TRANS [illegible] CA 94105

4. Generator's Phone: (415) 541-2557

A. State Manifest Document Number: 89563465

B. State Generator's ID: [illegible]

5. Transporter 1 Company Name: [illegible]

6. US EPA ID Number: CAT980032808

C. State Transporter's ID: 105834

D. Transporter's Phone: 408 262-7726

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: [illegible] IDAHO

10. US EPA ID Number: IDD073114654

G. State Facility's ID:

H. Facility's Phone: 208 [illegible] 2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [illegible] SOLID, N.O.S.	001	DT	00018	Y	State [illegible] EPA/Other [illegible]
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

23.4T

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

* High St. OAKLAND * EMERGENCY 1-800-326-4826

NET (44,480 LBS)

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: AUTHORIZED AGENT EARL G HILL | Signature: [signature] | Month Day Year: 06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Michael K. Tatum | Signature: Michael K Tat[um] | Month Day Year: 06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: | Signature: | Month Day Year:

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires [illegible])
[illegible] print or type. (Form designed for use on elite (12-pitch) typewriter).

56 7/2012

Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
CAD 0069 13200	20992	1	

3. Generator's Name and Mailing Address
[illegible] ...ic Trans
...laza
...Francisco, Ca 94105

A. State Manifest Document Number: 89563467

B. State Generator's ID: HAHQ 36009030

6. US EPA ID Number: CAD 982417347

C. State Transporter's ID: 104572

D. Transporter's Phone: 805 399-4730

8. US EPA ID Number

E. State Transporter's ID: 104572

F. Transporter's Phone: (805) 399-4736

9. Designated Facility Name and Site Address / 10. US EPA ID Number
...rvices of Idaho
...
... 83624 IDD073114654

G. State Facility's ID

H. Facility's Phone: 208 834-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
...Hazardous Waste Solid, N.O.S. NA9189	001	DT	00019	Y	State 352; EPA/Other
					State; EPA/Other
					State; EPA/Other
					State; EPA/Other

24.7 T

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
...High St Oakland... Emerg. # 1-800-326-4826
C 549560... 484... 5...

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
Authorized Agent Earl G. Hill	[signature]	06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
David Rabold	[signature]	06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

TRANSPORTER
FACILITY
IN CASE OF AN EMERGENCY OR SPILL CALL THE NATIONAL RESPONSE CENTER

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires ...)
Please print or type. (Form designed for use on elite (12-pitch) typewriter).

98142012

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	CAD 0969 13206
Manifest Document No.	30742
2. Page 1 of 1	
Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address	SOUTHERN PACIFIC TRANS, ONE MARKET PLAZA, SAN FRANCISCO, CA 94105
4. Generator's Phone	(415) 541-2557
A. State Manifest Document Number	89563470
B. State Generator's ID	[illegible]
5. Transporter 1 Company Name	[illegible]
6. US EPA ID Number	CAD982527691
C. State Transporter's ID	000107
D. Transporter's Phone	800 835-8770
7. Transporter 2 Company Name	
8. US EPA ID Number	
E. State Transporter's ID	
F. Transporter's Phone	
9. Designated Facility Name and Site Address	... OF IDAHO ... 83624
10. US EPA ID Number	IDD073114654
G. State Facility's ID	
H. Facility's Phone	208 834-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ... WASTE SOLID, NOS ... 9189	001	DT	00010	Y	State / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

BT

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
* High St. Oakland — emergency # 1-800-326-4826
... C 79#8

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. HILL	[signature]	06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
LARRY M. COURTNEY	Larry M. Courtney	06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

GENERATOR / TRANSPORTER / FACILITY

S 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency — Form Approved OMB No. 2050-0039 — Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA D 00691 3206
Manifest Document No.: 39747
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 89563468

3. Generator's Name and Mailing Address: SOUTHERN PACIFIC TRANS. ... SAN FRANCISCO, CA 94105

4. Generator's Phone

B. State Generator's ID

5. Transporter 1 Company Name
6. US EPA ID Number: CHD 981 63 3316
C. State Transporter's ID: 5380-00 5985
D. Transporter's Phone: 1856

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: ... IDAHO
10. US EPA ID Number: IDD 073114654
G. State Facility's ID
H. Facility's Phone: 208 834 2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ... SOLID, N.O.S.	002	DT	00049	Y	
b.					
c.					
d.					

24.7 T

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
* High ST. OAKLAND * EMERG. # 1-800-376-4826
(17,800 NET)

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: AUTHORIZED AGENT EARL G. Hill | Signature: [signature] | Month Day Year: 06 12 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: X Ernie Crumpler | Signature: [signature] | Month Day Year: 06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-...) 172012

C-1

Toxic Substances Control Division
Sacramento, California

Please print or type. (Form designed for use on elite (12-pitch) typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAD006913206	30742	1	

3. Generator's Name and Mailing Address: SOUTHERN ... TRANS ... 415 541-2557 ... San Francisco, CA. 94105

4. Generator's Phone ( )

A. State Manifest Document Number: 89563469

B. State Generator's ID: ...36009930

5. Transporter 1 Company Name: ... | 6. US EPA ID Number: CAD981163316

C. State Transporter's ID: 113478-113479

D. Transporter's Phone: ...-779-1856

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: ... OF IDAHO ... | 10. US EPA ID Number: IDD073114654

G. State Facility's ID

H. Facility's Phone: ...-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ... Solid N.O.S. ...	2	DT	00019	Y	State ... EPA/Other D006
b.	24				State ... EPA/Other
c.					State ... EPA/Other
d.					State ... EPA/Other

24.7

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
High St. OAKLAND EMERGENCY #1-800 321-4826
(...)

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. Hill	[signature]	061290

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Robert Atkins	[signature]	061290

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

[illegible] Health and Welfare Agency [illegible] Form Approved OMB No. 2050—0039 (Expires 9-30-91) 1420WZ

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 1449A 50,200

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. CAD000628356	Manifest Document No. 03/02/42	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Southern Pacific Transportation, One Market Plaza, Room 1324, San Francisco, CA 94105

4. Generator's Phone [illegible]

A. State Manifest Document Number: 89930742

B. State Generator's ID [illegible]

5. Transporter 1 Company Name: Glen [illegible] Trucking — 6. US EPA ID Number: KIAD981241103847

C. State Transporter's ID [illegible]

D. Transporter's Phone [illegible]

7. Transporter 2 Company Name [illegible] — 8. US EPA ID Number

E. State Transporter's ID [illegible]

F. Transporter's Phone [illegible]

9. Designated Facility Name and Site Address: [illegible] Idaho [illegible] 83624 — 10. US EPA ID Number: IDD073114654

G. State Facility's ID [illegible]

H. Facility's Phone [illegible]

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [illegible] NOS. [illegible] ORM-E NA9189	001	DT	20119	Y	[illegible]
b.					
c.					
d.					

247

J. Additional Descriptions for Materials Listed Above [illegible]

K. Handling Codes for Wastes Listed Above [illegible]

15. Special Handling Instructions and Additional Information: In case of [illegible] contact IT Emergency Response at 415-372-9100

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
Authorized Agent EARL G Hill	[signature]	061290

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Glen Colby	[signature]	061290

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

11a. (EP EPA TOXICITY) omitted

[illegible] 6/13/90 @ 11:15

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
NANCY MADARIETA	Nancy Madarieta	061390

S 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-...)
Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

1441AB 50,500

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD0 069132206 | Manifest Document No. 30792 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ... TRANS. ... SAN FRANCISCO, Ca. 94105
4. Generator's Phone (415) 541-2557

A. State Manifest Document Number: 89563321
B. State Generator's ID: HAHQ36009030

5. Transporter 1 Company Name: ... Hauling | 6. US EPA ID Number: CAD982417347
C. State Transporter's ID: 104573
D. Transporter's Phone: 805 3994736

7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: ... of IDAHO ... 624 | 10. US EPA ID Number: IDD073114684
G. State Facility's ID
H. Facility's Phone: 208 834-2275

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ... HAZARDOUS WASTE SOLID, N.O.S. ... 9189	001	DT	00020	Y	State 182; EPA/Other ...
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: ... SOIL ...
K. Handling Codes for Wastes Listed Above: D13

15. Special Handling Instructions and Additional Information
11a = SOIL + GRAVEL - 90-98%
OIL + Grease < 1%
EMERG. # 1-800-326-4826
* High St. OAKLAND * (Total ... LBS)

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Printed/Typed Name	Signature	Month Day Year
AUTHORIZED AGENT EARL G. Hill	[signature]	061290

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
FRANK COSTA JR.	Frank Costa Jr.	061290

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space
14a initial change
11a. (EP EPA TOXICITY) omitted
per Nestor Mejia 6/13/90 @ 11:15

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
NANCY MADARIETA	Nancy Madarieta	061390

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DHS 8022 A (1/88)
EPA 8700—22
(Rev. 9-88) Previous editions are obsolete.

Do Not Write Below This Line

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

Attachment 3

Lab Results and Soil Sampling Location Map

Curtis & Tompkins, Ltd

LAB NUMBER: 100325-5
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-100

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	22
AROCLOR 1232	ND	22
AROCLOR 1016	ND	22
AROCLOR 1242	520	22
AROCLOR 1248	ND	22
AROCLOR 1254	ND	22
AROCLOR 1260	69	22
AROCLOR 1262	ND	22

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

Curtis & Tompkins, Ltd.

LAB NUMBER: 100325-6
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-101

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	220
AROCLOR 1232	ND	220
AROCLOR 1016	ND	220
AROCLOR 1242	ND	220
AROCLOR 1248	ND	220
AROCLOR 1254	2,500	220
AROCLOR 1260	ND	220
AROCLOR 1262	ND	220

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

Curtis & Tompkins, Ltd

LAB NUMBER: 100325-7
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-102

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	220
AROCLOR 1232	ND	220
AROCLOR 1016	ND	220
AROCLOR 1242	ND	220
AROCLOR 1248	ND	220
AROCLOR 1254	1,500	220
AROCLOR 1260	ND	220
AROCLOR 1262	ND	220

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

Curtis & Tompkins, Ltd.

LAB NUMBER: 100325-8
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-103

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	220
AROCLOR 1232	ND	220
AROCLOR 1016	ND	220
AROCLOR 1242	ND	220
AROCLOR 1248	ND	220
AROCLOR 1254	ND	220
AROCLOR 1260	1,600	220
AROCLOR 1262	ND	220

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

Curtis & Tompkins, Ltd

LAB NUMBER: 100325-9
CLIENT: ECOLOGY & ENVIRONMENT, INC.
PROJECT #: SP-9000
LOCATION: SP-HIGH STREET
SAMPLE ID: C-104

DATE RECEIVED: 05/01/90
DATE ANALYZED: 05/01/90
DATE REPORTED: 05/02/90

POLYCHLORINATED BIPHENYLS (PCBs)
ANALYSIS METHOD: EPA 8080
EXTRACTION METHOD: EPA 3550

AROCLOR TYPE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)
AROCLOR 1221	ND	22
AROCLOR 1232	ND	22
AROCLOR 1016	ND	22
AROCLOR 1242	ND	22
AROCLOR 1248	ND	22
AROCLOR 1254	ND	22
AROCLOR 1260	ND	22
AROCLOR 1262	ND	22

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	82

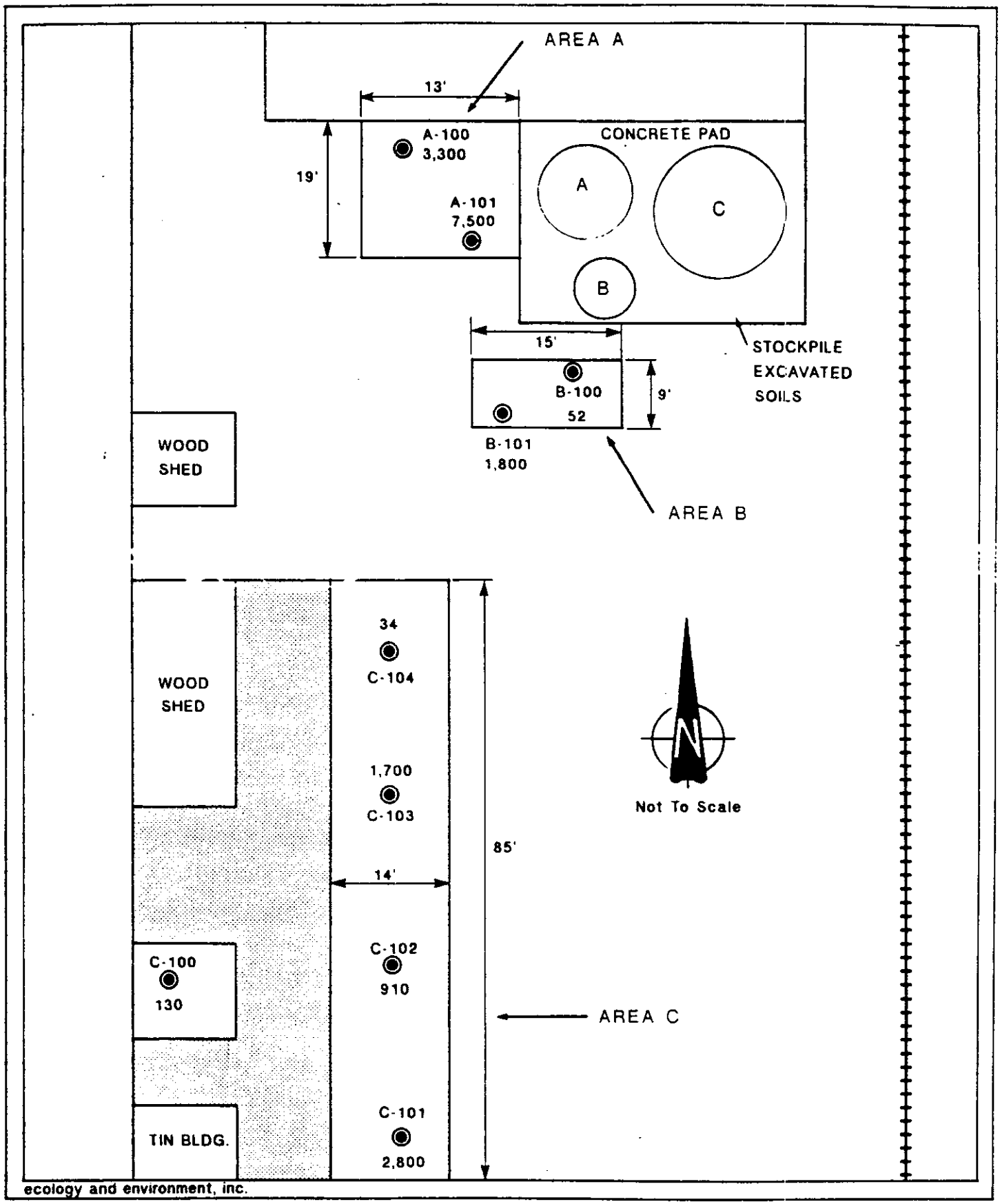

Figure 1 SAMPLING LOCATION MAP
TOTAL PETROLEUM HYDROCARBON (mg/kg. ppm)