January 19, 1998

Prop 37 Transfer incor Comon day ly NEWS NOR. und PSA its

1777 Botelho Drive Suite 260 Walnut Creek, CA 94596 (510) 946-0455 (510) 946-9968 (Fax)

ERM-West, Inc.

Ms. Eva Chu Alameda County Health Care Services Agency Department of Environmental Health Division of Hazardous Materials 1131 Harbor Bay Parkway Alameda, California 94502

SUBJECT:

Closure of "Tank 15" Site

West Oakland Railyard

Union Pacific Railroad

Oakland California

Foot of Pune

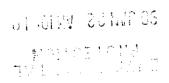
Oakland, California

Dear Ms. Chu:

On behalf of Union Pacific Railroad Company (UPRR), ERM-West, Inc., (ERM) is transmitting the enclosed information regarding the removal of the underground storage tank (UST) from the Southern Pacific Transportation Company (SPTCo) facility in West Oakland, California, referred to in our telephone conversation of December 19, 1997. This UST was removed by Canonie Environmental Services Corp. (Canonie) in January 1988 as part of a program to remove numerous USTs from SPTCo facilities in West Oakland. According to the Canonie report entitled Final Site Report, Underground Storage Tank Removal, Southern Pacific Transportation Company, Oakland, California (dated June 28, 1988), the UST was designated as "Tank 15", and described as being located near the SPTCo diesel shop. The excavation permit included in the report noted the location of the UST as at the "foot of Pine Street". The information enclosed in this letter are excerpts from the 1988 Canonie report.

According to the Canonie report, concentrations of total volatile petroleum hydrocarbons (TVPH) and benzene detected in the soil and ground water samples collected following the removal of Tank 15 were as follows:

Sample No.	Sample Media	<u>TVPH</u>	<u>Benzene</u>
SS-15E	Soil	540.0 ppm	<20 ppm high defection
SS-15W	Soil	230.0 ppm	<2.0 ppm
WS-15	Water	47,000 ppb	200 ppb



The concentrations listed above would commonly result in a site investigation; however, based on the following conditions at the Tank 15 site, further investigation is not warranted:

- The site is located within an active railyard which is zoned for industrial use. It is anticipated that the area will remain in use as a railyard into the foreseeable future.
- The site is over 1,200 feet downgradient from residential areas and is not located upgradient of any residential area;
- It is likely that the shallow aquifer below the site contains high concentrations of total dissolved solids (TDS), and is not suitable as a source of drinking water. Concentrations of TDS in ground water samples collected from nearby sites were commonly in excess of 3000 mg/l<sup>1</sup>;
- The grab water sample collected at the time of UST removal may not have been representative of site ground water; and
- The data referenced above represents sampling which occurred nearly ten years ago.

ERM recommends that the Tank 15 site be closed at this time, and reopened only if land use of the area changes in the future.

In regards to costs associated with review of this site by your office, please forward all invoices directly to the UPRR representative for payment:

Mr. Craig Denny Union Pacific Railroad Company 1416 Dodge Street, Room 930 Omaha, Nebraska 68179

<sup>&</sup>lt;sup>1</sup> 1997. Remedial Investigation and Baseline Risk Assessment Report, I-880 Realignment Corridor, West Oakland and Desert Rail Yards, Oakland, California. Geomatrix Consultants. Project no. 2686.01

Please call me at (510) 946-0455 if you have any questions or comments.

Sincerely,

ERM-WEST, INC.

James Ackerman Project Manager

JBA/jba/8187.01

Enclosure

cc: Craig Denny, Union Pacific Railroad (with enclosure)
Doug Hodson, ERM-West, Inc. (with enclosure)

Listing of HAZMAT - FULL SITE HISTORY since 1987 for StID # 5354 as of 01/26/98 .... all Activity Codes

SITE NAME & ADDRESS:

SPTCo LocoFuel Plant WD01-04 -- 0 Foot Of Pine St , Oakland CA 94607

Current Dailies:

InspDat Insp Act InspT StID DRPro Comment

12/19/97 EC 40 0.8 5354 37a got contact w/j ackerman. will 01/15/98 send canonie rpt and \$\$

Complete

#### LOP - RECORD CHANGE REQUEST FORM

Mark Out What Needs Changing and Hand to LOP Data Entry (Name/Address changes go to Annual Programs Data Entry)

Insp: EC

AGENCY # : 10000 SOURCE OF FUNDS: F
StID : 5354 LOC: -0SITE NAME: SPT Co Loco Fuel Plant WD01-04
ADDRESS :-0- -0 Foot Of Pine St
DATE REPORTED : 06/28/88
DATE CONFIRMED: 06/28/88
MULTIPLE RPS : N

#### SITE STATUS \_\_\_\_\_

CONTRACT STATUS: 2 PRIOR CODE: 2A4 EMERGENCY RESP: -0-CASE TYPE: W

DATE COMPLETED: 01/28/98 RP SEARCH: S

PRELIMINARY ASMNT: - DATE UNDERWAY: -0REM INVESTIGATION: - DATE UNDERWAY: -0REMEDIAL ACTION: - DATE UNDERWAY: -0POST REMED ACT MON: - DATE UNDERWAY: -0DATE COMPLETED: -0DATE COMPLETED: -0DATE COMPLETED: -0DATE COMPLETED: -0DATE COMPLETED: -0DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 01/28/98
LUFT FIELD MANUAL CONSID: -0CASE CLOSED: R DATE CASE CLOSED: 03/02/98

CASE CLOSED: R

DATE CASE CLOSED: 03/02/98

CASE CLOSED: R
DATE EXCAVATION STARTED: -0REMEDIAL ACTIONS TAKEN: -0-

#### RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Craig Denny

COMPANY NAME: Union Pacific Railroad Co

ADDRESS: 1416 Dodge St, Rm 930

CITY/STATE: Omaha, N E 68179

	ON:		
NAME		SIGNATURE	DATE
Name/Address	Changes Only	DATA ENTRY INPUT:	Case Progress Changes
ANNPGMS	LOP	DATE	LOP DATE

### **Canonie** Environmental

ficoald

Canonie Environmental Beraces Corp. 1825 South Trant Street

Suite 260

ban Materi. Dalifornia 3440.2

Phone: 415-573-8010

June 28, 1988

87-055.37

Mr. Tim Becker Southern Pacific Transportation Company One Market Plaza, Room 1007 San Francisco, CA 94105

> Transmittal Final Site Report Underground Storage Tank Remova Southern Pacific Transportation Cc Oakland, California

Contains unition 1) Desert Yard office 2) AST'S 3) (Edon ST (Tank B)

Dear Tim:

Enclosed, please find the results of the underground activities performed by Canonie Environmental Servic the Southern Pacific Transportation Co. (Southern Pacific) site in Oakland, California (Figure 1). This letter summarizes the underground storage tank removal activities and associated soil sampling. The work was performed between January 5, and January 26, 1988, in accord with the July 17, 1987 Engineering Agreement between Canonie and Southern Pacific. As detailed herein, Canonie considers the tank removal completed.

In response to the California Administrative Code Title 23, Waters; Chapter 3, Water Resources Control Board; Subchapter 16, Underground Tank Regulations; Canonie was retained by Southern Pacific to remove the underground storage tanks from many of their California sites. The activities at Oakland included the removal of 17 tanks and the associated soil sampling.

Tank removal activities at Oakland consisted of the following:

- Removal of two aboveground diesel fuel tanks;
- Removal of one aboveground waste oil tank;
- Removal of four leaded gasoline tanks;
- Removal of two unleaded gasoline tanks;
- Removal of five diesel fuel tanks;
- Removal of two lube oil tanks; Removal of one unused fiberglass tank;
- o Soil and water sampling in and around the tank pits; o Removal and stockpiling of contaminated soil.

Mike Grant of Union Pacific Palloadlo. One Market Playe SI- 94105 45/541-2838 pays area of concern probably Nerosc. when tracks were re-alegned. No definite idea of actual location of Tank 15/16 Also Rwals is land Agency for ask All tanks, with the exception of the fiberglass tank, were cleaned by PFS Waste Control Services, Inc. (PFS), and disposed of as scrap. The rinsate from the oil and diesel tanks was disposed of in the on-site oil/water separator. The rinsate from the gasoline tanks was transported to a recycler. Twenty cubic yards of soil was removed and transported by PFS to Envirosafe Services of Idaho, a Class I landfill.

Attachment A contains a description of the tank removal procedures and soil sampling procedures. Attachment B contains copies of the manifests and certificates of disposal, and Attachment C contains copies of the laboratory reports. Laboratory results are summarized in Table 1.

Many tanks were located under asphalt in high-traffic areas. After the tanks were removed the backfill was compacted and brought to a level of approximately four inches below grade. Southern Pacific assumed the responsibility to resurface these areas. Barricades and yellow caution tape were placed around the depressions. All remaining tank location sites were filled to their original elevation.

#### Tank Removal Activities

The location, limits of excavation, and sampling locations for the 12,000-gallon fiberglass tank (Tank 31) are shown on Figure 2. Tank removal activities were as follows:

o Removed soil above and alongside the tank;

o Removed the tank in pieces; the unexcavated soil crushed the tank;

o Hauled the tank scrap to the rubbish pile in the desert yard;

o Obtained soil samples from the pit (31E, 31W);

o Transported approximately 200 cubic yards of soil to the desert yard;

o Backfilled the tank pit with clean soil and compacted the backfill to minimize settling.

This tank had never been used for product storage and only contained water. Laboratory analyses confirmed the lack of contamination in the tank pit.

Tank D was a 12,500-gallon waste oil tank located near the oil/water separator. Tanks E and F were both 12,500-gallon fuel tanks located in East Oakland. These tanks were rinsed by PFS prior to disposal as scrap metal. No soil sampling or laboratory analyses were required as these were aboveground tanks.

Tank 9 was a 2,500-gallon regular-gasoline tank in the desert yard. The Tocation and limits of excavation are shown on Figure 3. The ground water level was very high and the tank was forced to the surface as soon as the asphalt was removed. Tank removal activities were as follows:

The location of the 10,000-gallon diesel fuel tank (Tank A) near PMT Auto Transport is shown on Figure 6 along with the limits of excavation. Tank removal activities were as follows:

- o Removed the tank. No holes were seen, but soil staining was visible. Ground water was encountered. An oily sheen was noted on the water and was probably from the outer tar coating of the tank. The water sample analysis showed no petroleum hydrocarbons;
- o Obtained two soil samples (SS-AN, SS-AS) and one water sample (WS-MHR);
- o Backfilled the pit with clean soil and compacted the soil to minimize settling;
- o Transported approximately 100 cubic yards of soil to the desert yard to be stockpiled. This soil had been excavated in order to remove the tank and was considered unsuitable for use as backfill.
  - √ Tank 15, a 1,000-gallon regular-gasoline tank, and Tank 16, a 2,000-gallon diesel-fuel tank, were near the diesel shop. Sample locations and limits of excavation are shown on Figure 7. Removal procedures for Tank 15 were as follows.
    - o Excavated the asphalt and soil from around the 1,000 gallon-gasoline tank (Tank 15). Some soil staining was visible and laboratory analysis confirmed the presence of product in the soil;
    - Obtained two soil samples (SS-15E, SS-15W) and a water sample (WS-15) from below the tank;
    - o Backfilled the excavation with imported soil and compacted the backfill to minimize settling;
- Approximately 35 cubic yards of soil were transported and stockpiled in the desert yard. This soil had been excavated in order to remove the tank and was considered unsuitable for backfill.
  - The 2,000-gallon diesel-fuel tank (Tank 16) was partially exposed aboveground and embedded in a three-foot thick concrete slab. Therefore, it was unnecessary to remove any soil. When removing the tank with a large excavator, the slab around the tank was simultaneously removed. Removal procedures for Tank 16 were as follows:
    - o The concrete was broken off of the tank with a hydraulic hammer attachment on the excavator. No holes, leaks, or evidence of overfilling were noted;

Tank 34 and Tank 35 in East Oakland were much larger than anticipated by Southern Pacific. The tanks are located within the close confines of two railroad tracks. For economic reasons, and to avoid disruption of track use, Canonie has recommended that these tanks be closed in place.

#### Site Conditions

From field observations and laboratory analysis, the following statements can be made about soil and ground water conditions at the Oakland Facility:

- Laboratory results from water samples WS-DY and WS-9DY (tank pit 9) showed low levels of benzene, xylene, and lead;
- o Laboratory results of soil samples from tank pit 10 showed 927 ppm and 933 ppm lead. Water samples showed 0.13 ppm xylene, 2.0 ppm TVPH, and 0.016 ppm lead;
- Laboratory analyses of soil and water samples from tank pit 15 detected levels of the tested constituents benzene, toluene, xylene, TVPH, and lead (lead was nondetectable in the water sample);
- o Soil samples from tank pit 16 (SS-16E and SS-16W) showed 740 ppm and 2000 ppm TEPH, respectively;
- Laboratory analyses for the soil samples in tank pit 17 resulted in nondetectable levels. Water samples showed benzene, toluene, xylene, and TVPH;
- Laboratory analyses of soil from tank pit 18 showed a level of 640 ppm TEPH in sample SS-18E; TEPH was nondetectable in sample SS-18W;
- Laboratory analyses of soil samples from tank pits 19A and 19B (SS-19a and SS-19b) showed levels of TEPH, lead, chromium, and zinc;
- o Samples from tank pit 28 showed levels of xylene, TVPH, and lead;
- o Samples from tank pit 29 showed benzene, xylene, TEPH, and TVPH;
- o Tank pit 31 (the 12,000-gallon fiberglass tank) showed no sign of contamination. This was confirmed by laboratory analyses. Therefore, Canonie considers this site closed and no additional action at this location is recommended;
- Tank pit A (soil samples SS-AN and SS-AS) showed 3400 ppm and 25 ppm TEPH. The water sample (WS-MHR) showed nondetectable levels of tested constituents;
- o Laboratory results for soil samples SS-SHE and SS-SHW from tank pit B were, respectively, nondetectable and 220 ppm for benzene, nondetectable and 580 ppm for toluene, 110 ppm and 990 ppm for xylene, 400 ppm and 5000 ppm for TVPH, and 55.3 ppm and 60.5 ppm for lead;

- Laboratory results from soil samples SS-CE and SS-CW for tank pit C confirmed a lack of contamination at this site. Therefore, Canonie considers this tank site closed;
- o Tanks D, E, and F were aboveground tanks. They were cleaned and destroyed as scrap metal. No laboratory analyses were required and no additional action is considered necessary;

In accord with the regulations governing underground tank removals in Oakland, California; Alameda County; and CAC Title 23, Chapter 3, Water Resources Control Board, Subchapter 16, Underground Tank Regulations; copies of this letter and attachments should be forwarded to the following agencies:

Mr. Rafat A. Shahid Alameda County Health Care Services Department of Environmental Health 470 27th Street, Third Floor Oakland, CA 94612

Mr. Steve Hallert
Oakland Fire Department
Underground Tank Division
One City Hall Plaza
Oakland, CA 94612

We appreciate the opportunity to have been of service to Southern Pacific on this project. Should you have any questions or comments, please call us.

Very truly yours,

Alan L. Muellerleile

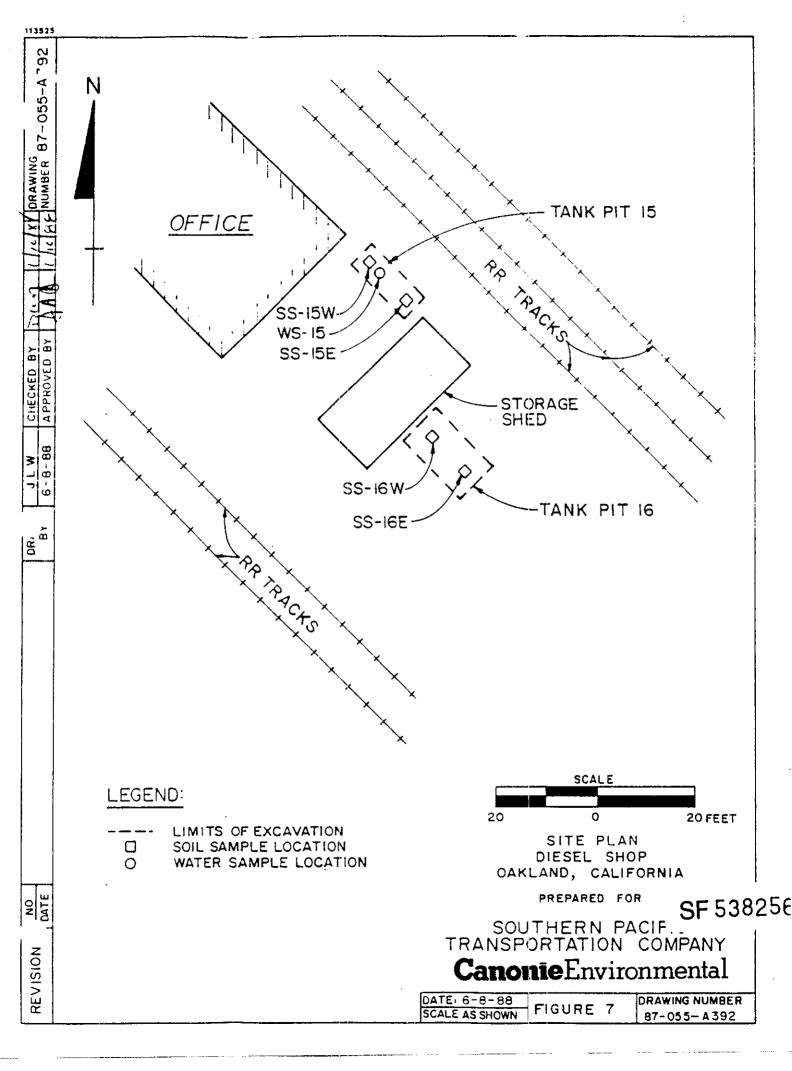
Alan L. Muellerieli Project Engineer

Jeffrey A. Klaiber, P.E.

Project Supervisor

ALM/JAK/ssm

Enclosures



	Excava	tion Permit Granted		No_		<del>·</del>
	TY OF OA	KLAND	•	Tank	Permit	
Permit to Excavate and In	stall, Repair, or I	Remove Inflamm	able Liquid T	anks. No.	9029	
		od, California,	Nove	ember 2.	19.	87
PERMISSION IS HEREBY GRANTED TO XXXX		Gasoline tank and exc	avate commencing	foot in	side proper	tyne
TEAMING THE PARTY OF THE PARTY	Street					treet
on the side of	Avenue Street	foot	of	-		Avenue
House No Foot of Pine Street	Avenue	Present Storage		24105		
Owner Southern Pacific Trans. Co.		Market Plaza R				
Applicant Canonie Environmental	AddressLB	25 S. Grant St.	<u>Ste 260</u> San Mateo	94402	<u> 573-8012</u>	<del>'</del> —
Dimensions of street (sidewalk) surface to be disturbed		Number of Tanks	Capacity	l - 550		each.
Remarks: The tanks are well away from sidew	alks and within	fenced S. P. P	roperty.	- 500		
Approved	<b>1-2.04</b>	<b>W</b>	N S	<b>E</b>		
		CERTIFICATE OF			INSPECTION	ON
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Received by G.M. Johnson		hen ready for inspectio	n notify <b>Fire Proven</b>	ion Burous,	273-3851	
THIS PERMIT MUST BE	LEFT ON THE W	ORK AS AUTHO	RITY THERE	FOR.		

OURCE, Address & Location	D:	ate 01/11	/ 88			
Oakland Harbor	C	onsignment No.				
Oakland, California						
CONSIGNOR OF MATERIAL. Name & Address	TOANSDOOM	ER, Name & Add	7000			
Southern Pacific Transportation Co	AS Mason 3	Luckini Luckini	1 433			
1 Market Plaza Room 1007	3110 Gibso					
San Francisco, Ca 94105 Telephone No. (415 ) 541- 2385		ld, Ca 93308 No. (805)324	1_9631			
DESCRIPTION OF CONSIGNMENT	) Telebrough	NOT ( TOTA ) COM	- 1444			
	and Charges M	unit / David Of C	\.\.\.\.			
(1) 2000 Gallon Triple Rinsed Undergro (1) 1000 Gallon Triple Rinsed Undergro	ound Storage Ta	ank / Port. Of C	akland Jakland			
(1) 8000 Gallon Triple Rinsed Undergro						
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CONSIGNOR'S CERTIFICATION -						
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PFS WASTE CONTROL SERVICES Frank Allen Thomsay, JR	- 1, -da		4. 2/ -00			
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CONSIGNEE FOR MATERIAL, Name & Address		·				
Valley Tree & Construction Compan	y		:			
4233 Quinn Road Bakersfield, California			<u>_</u>			
FINAL DISPOSITION, method & place	L. Mifers Bire	o Code	and amaked			
Tanks ventilated in accordance with t	ne unitom Pin	e come, sibare	and Crusoen.			
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Invoice# 15781		-				
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Arthur W. Jones	they wi	Kn	05-11-88			
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Table 1 Codes of Samples Received from SP - Oakland Project: 87-055

Sampler ID	Date <u>Sampled</u>	Date <u>Received</u>	Lab ID#	Sample Type	Container
Analysis: BTX					
SS-10E SS-10W SS-15E SS-15W SS-28E SS-28W SS-SHE SS-SHW SS-17E SW-17W WS-10 WS-15	01-11-88 01-11-88 01-11-88 01-11-88 01-08-88 01-08-88 01-11-88 01-11-88 01-12-88 01-12-88 01-12-88 01-12-88	01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88	801238 801239 801243 801242 801261 801260 801241 801240 801234 801235 801250 801251 801252 801253 801253 801253 801246 801247 801248	Soil Soil Soil Soil Soil Soil Soil Soil	Brass Tube AOml Vial 40ml Vial
Analysis: Ethylene Dib	oromide				
SS-10E SS-10W SS-15E SS-15W SS-SHE	01-11-88 01-11-88 01-11-88 01-11-88 01-11-88	01-13-88 01-13-88 01-13-88 01-13-88 01-13-88	801238 801239 801243 801242 801241	Soil Soil Soil Soil Soil	Brass Tube Brass Tube Brass Tube Brass Tube Brass Tube

Tank <u>Designation</u>	Sample 1.D.	Benzene (ppm)	Toluene <u>(ppm)</u>	Xylene (ppm)	TEPH (ppm)	TVPH (ppm)	Lead (mq/kg)	Cadmium (mg/kg)	Chromium <u>(mg/kg)</u>	Zinc (mg/kg)	EDB <u>(maqa)</u>
100	WS-DY WS-9DY	.037	ND	0.49		6.4	ND ND				ND
10	WS-10 SS-10E	ND ND ND	ND ND ND	0.13 ND ND		2.0 ND ND	ND 933.0 927.0				ND ND ND
	SS-10W WS-10MJ 10TP	NO NO	ND	NĎ		ND	0.016 10.7				ND
15	SS-15E SS-15W WS-15	ND ND 0.2	ND 2.0 0.16	91.0 9.0 1.8		540.0 230.0 47.0	ND 10.4 ND				ND ND ND
16	SS-16E SS-16W				2000.0 740.0						
17	SS-17E SS-17W WS-17	ND ND 4.6	ND ND 5.9	ND ND 12.0		ND ND 130.0	ND ND				DM GM
18	SS-18E SS-18W				640.0 ND						
19A	SS-19A				700.0		18.8	ND	29.3	98.3	
19B	SS-19B				ND		26.3	ND	38.5	82.8	
28	SS-28E SS-28W 28-IMS	ND ND ND	ND ND ND	ND ND 5.0		ND ND 220.0	16.4 11.6 19.0				NO

Table 1 (Cont.)
Codes of Samples Received
From SP - Oakland
Project: 87-055

Sampler ID	Date <u>Sampled</u>	Date Received	Lab ID#	Sample Type	Container
Analysis: Ethylene Dib	romide				
SS-SHW SS-17E SW-17W WS-10 WS-15 WS-DY	01-11-88 01-12-88 01-12-88 01-11-88 01-11-88	01-13-88 01-13-88 01-13-88 01-13-88 01-13-88	801240 801234 801235 801250 801251 801252 801253 801246 801247 801248	Soil Soil Water Water Water Water Water Water Water	Brass Tube Brass Tube Brass Tube 40ml Vial
Analysis: Lead					
WS-10	01-11-88	01-13-88	801250 801251	Water Water	40ml Vial 40ml Vial
WS-15	01-11-88	01-13-88	801252 801253	Water Water	40ml Vial 40ml Vial
WS-DY	01-11-88	01-13-88	801249	Water	40ml Vial
Analysis: Southern Page	cific Inorgan	nics			
SS-19A SS-19B	01-08-88 01-08-88	01-13-88 01-13-88	801262 801263	Soil Soil	Brass Tube Brass Tube
Analysis: Total Ext.	Petroleum Hy	drocarbons			
SS-16E	01-08-88	01-13-88	801257	Soil	Brass Tube

# Table 1 (Cont.) Codes of Samples Received From SP - Oakland Project: 87-055

Sampler ID	Date <u>Sampled</u>	Date Received	Lab ID#	Sample Type	Container
Analysis: Total Ext.  SS-16W SS-18E SS-18W SS-19A SS-19B SS-29E SS-29W SS-AN SS-AS	01-08-88 01-11-88 01-11-88 01-08-88 01-08-88 01-08-88 01-08-88 01-08-88	01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88	801256 801244 801245 801262 801263 801259 801258 801255	Soil Soil Soil Soil Soil Soil Soil Soil	Brass Tube
Analysis: Total Lea SS-10E SS-10W SS-15E SS-15W SS-17E SS-17W SS-SHE SS-SHE	01-11-88 01-11-88 01-11-88 01-11-88 01-11-88 01-11-88 01-11-88	01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88 01-13-88	801238 801239 801243 801242 801234 801235 801241 801240	Soil Soil Soil Soil Soil Soil Soil	Brass Tube

Table 2
Results of BTX Analysis on Soil
Samples Received From SP - Oakland
Results in mg/kg

01-18-	-1988
87-05	5-3403
Page	4

Sampler ID:	SS-10E	SS-10W	SS-15E	SS-15W	SS-28E
Lab ID#:	801238	801239	801243	801242	801261
Analyte(s) Benzene Toluene Xylene Total Volatile Petroleum Hydrocarbons	ND 0.2 ND 0.2 ND 0.2 ND 1.0	ND 0.2 ND 0.2 ND 0.2 ND 1.0	ND 20. ND 20. 91. 540.	ND 2. 2. 9. 230.	ND 0.2 ND 0.2 ND 0.2 ND 1.0

SA/GA MT Analyst Checked by

	Table 3	
Results Samples	s of BTX Analysis Received From SP Results in mg/1	<ul><li>Oakland</li></ul>

01-18-1988 87-055-3403 Page 6

Sampler ID:	WS-10	WS-15	WS-17	WS-DY
Lab ID#:	801250	801252	<u>801236</u>	<u>801246</u>
Analyte(s) Benzene Toluene Xylene Total Volatile Petroleum Hydrocarbons	ND 0.005 ND 0.005 0.13 2.0	0.20 0.16 1.8 47.	4.6 5.9 12. 130.	0.037 ND 0.005 0.49 6.4

SA/GA MT Checked by

Table 4	
Results of Ethylene Dibromide Analysis on	Soil
Samples Received From SP - Oakland	
Results in mg/kg	

01-18-1988 87-055-3403 Page 7

Sampler ID:	SS-10E	SS-10W	SS-15E	SS-15W	SS-SHE
Lab ID#:	801238	801239	801243	801242	801241
Analyte(s)	ND 0.020	ND 0.020	ND 2.0	ND 0.20	ND 2.0

SAIGA VIII
Analyst Checked by

### Table 5 Results of Ethylene Dibromide Analysis on Water Samples Received From SP - Oakland Results in mg/l

01-18-1988 87-055-3403 Page 9

Sampler ID:

WS-10

WS-15

WS-DY

Lab ID#:

801250

801252

801246

Analyte(s)
Ethylene Dibromide

ND 0.005

ND 0.05

ND 0.005

Analyst

Checked by

# Table 6 Results of Lead Analysis on Water Samples Received From SP - Oakland Results in mg/l

01-18-1988 87-055-3403 Page 10

Sampler ID:

WS-10

WS-15

WS-DY

Lab ID#:

801250

801252

801249

Analyte(s) Total Lead

ND 0.05

ND 0.05

ND 0.05

AMalyst

Cffecked by

Table 9 Results of Total Lead Analysis on Soil Samples Received From SP - Oakland Results in mg/kg				01-18-1988 87-055-3403 Page 14	
Sampler ID:	SS-10E	SS-10W	SS-15E	SS-15W	SS-17E
Lab ID#:	801238	801239	801243	801242	801234
Analyte(s) Total Lead	933.	927.	ND 5.0	10.4	ND 5.0

#5354 EChu p 143 588 411

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Ļ	<u>Inion Pacifi</u>	C-KK-CO
- 1	sweight Dodge	St., Rm 930
l	Post Office, State, & ZIP Cod-	e
	Omaha NE 6	8179
	Postage	\$
}		
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
Ps Form <b>3800</b> , April 1995	Return Receipt Showing to Whom & Date Delivered	
April	Return Receipt Showing to Whom, Date, & Addressee's Address	
Ó		*
င္ထ	TOTAL Postage & Fees	\$
က္	Postmark or Date	
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	واروز كرايارات ين الأنظام الأول	بدنوأة وبهام الرسامينية بموتوس الروا