

**DEPARTMENT OF TOXIC SUBSTANCES CONTROL**

REGION 2

700 HEINZ AVE., SUITE 200  
BERKELEY, CA 94710-2737ALCO  
HAZMAT  
94 NOV 17 PM 3:39

November 16, 1994

Mr. Greg Shepherd  
Environmental Affairs Group  
Southern Pacific Lines  
Southern Pacific Building  
One Market Plaza  
San Francisco, California 94105

LOP 3725

Dear Mr. Shepherd:

**THIRD QUARTER 1994 GROUNDWATER MONITORING REPORT, FORMER BOBO'S JUNKYARD, SOUTHERN PACIFIC TRANSPORTATION COMPANY (SPTCo), CYPRESS FREEWAY PROJECT, OAKLAND**

The Department has received the third quarter groundwater monitoring report for the former Bobo's Junkyard Site submitted by Industrial Compliance on behalf of SPTCo. The Department reviewed the report and has the following general comments:

1. Future reports should be proofread prior to submittal to identify inconsistencies and other errors. For example, Figure 6, Chemical Distribution Map, indicates that the 1,1-DCA concentration in monitoring well MW-3 is 420 ug/L, and the detection limit for vinyl chloride in MW-1 is 16 ug/L. All other tables and documentation in the report indicate that the 1,1-DCA concentration is 42 ug/L and the detection limit for vinyl chloride is 10 ug/L. In addition, the last paragraph on page 27 states that arsenic and nickel concentrations in groundwater do not exceed the Maximum Concentration Limit (MCL) for zinc.
2. Table 5 indicates that the detection limit for vinyl chloride is 10 ug/L; however, the MCL is 0.5 ug/L. Future sampling events should ensure that laboratory quantitation limits are lower than the established MCL as cleanup goals for groundwater have not been established.
3. Pursuant to Section 6.12 of the Department's Order, please contact the Department at least seven days in advance of the next groundwater sampling event.



If you have any questions regarding this letter, please contact Lynn Nakashima of my staff at (510) 540-3839.

Sincerely,

A handwritten signature in cursive script, appearing to read "Barbara J. Cook".

Barbara J. Cook, P.E., Chief  
Site Mitigation Branch

cc: Mr. Sum Arigala  
Regional Water Quality Control Board  
San Francisco Bay Region  
2101 Webster Street, Suite 500  
Oakland, California 94612

Ms. Susan Hugo  
Alameda County Health Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, California 94502



# Industrial Compliance

9719 Lincoln Village Drive, Suite 310 Sacramento, CA 95827 916/369-8971 Fax 916/369-8370

November 10, 1994

IC Project No. 05100465

Ms. Lynn Nakashima  
Site Mitigation Branch  
Department of Toxic Substances Control  
700 Heinz Avenue  
Berkeley CA 94710-2737

VIA MAIL

Re: October, 1994 Monthly Groundwater Elevation Monitoring  
Former Bobo's Junkyard  
Southern Pacific Transportation Company  
I-880 Realignment Corridor  
Oakland, California

Dear Ms. Nakashima,

Industrial Compliance (IC), on behalf of Southern Pacific Transportation Company (SPTCo), has prepared this letter to transmit groundwater elevation data collected in October 1994 from the wells in and around the Former Bobo's Junkyard site in Oakland, California. Monthly groundwater sampling was initiated by IC, on behalf of SPTCo, in response to an *Imminent or Substantial Endangerment Determination and Remedial Action Order in the Matter of I-880 Realignment Corridor, West Oakland and Desert Rail Yards, and Former Bobo's Junkyard, Oakland, California* issued by the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) on June 14, 1994.

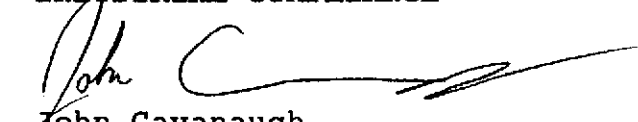
54 NOV 11 AM 1994  
ALCO  
HAZMAT

Depth to ground water measurements were collected from Wells MW-1, MW-3, MW-4, and MW-6 on October 20, 1994 (MW-2 and MW-5 do not exist). Figure 1 is a ground water elevation contour map based on the October data. Based on this data, ground water appears to be flowing to the west-northwest at an approximate gradient of 0.003. Ground water elevation data are summarized on Table 1.

If you have any question regarding this report, please call either of the undersigned at (510) 238-9540.

Sincerely,

**INDUSTRIAL COMPLIANCE**

  
John Cavanaugh  
Project Geologist

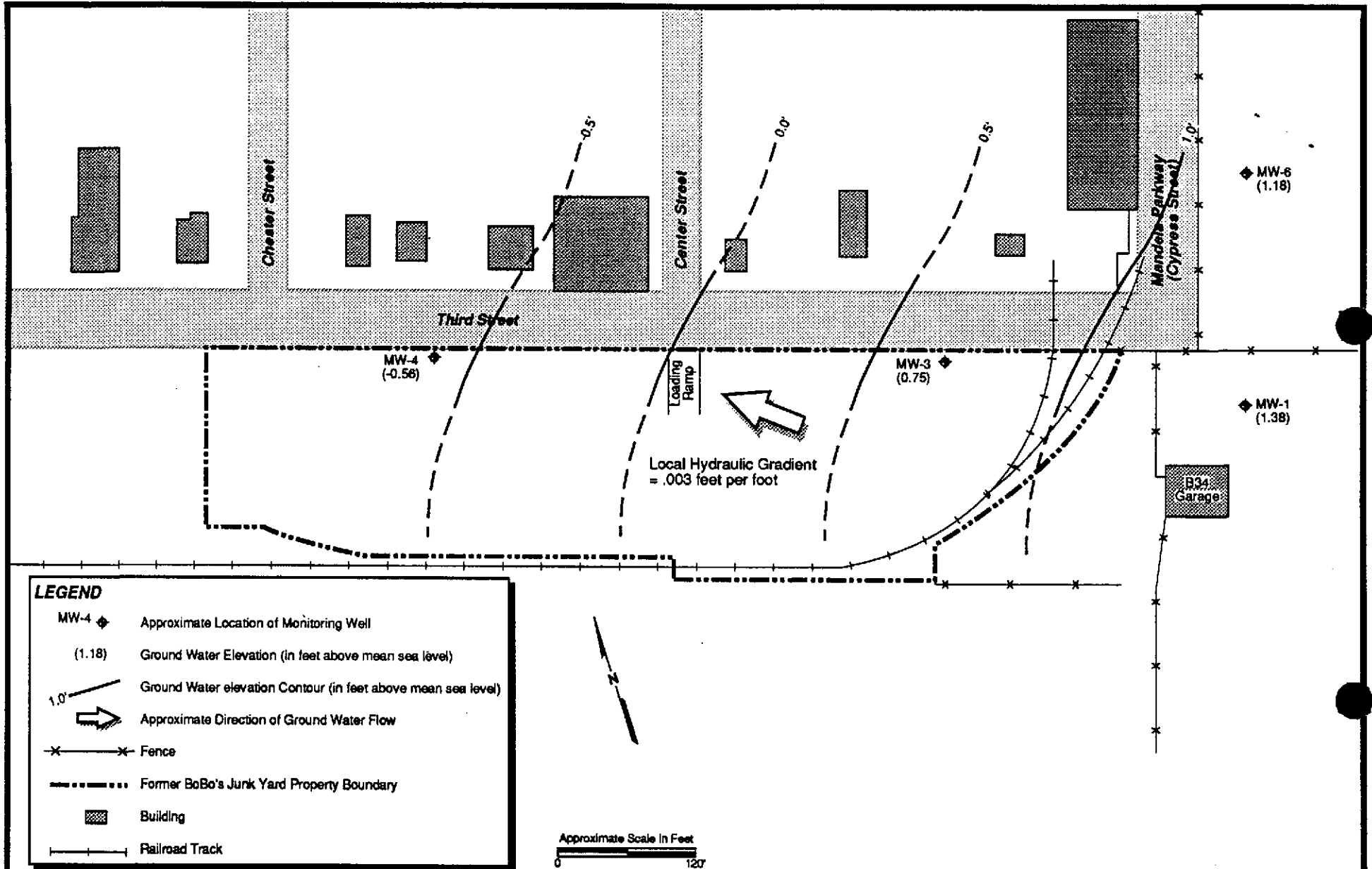
  
Carl Taylor  
Project Manager

Attachments

cc: Greg Shepherd - SPTCo (with attachments)

Denver • Phoenix • Kansas City • Dallas • Houston • Los Angeles • Sacramento • Little Rock • Knoxville

Gary Foote - Geomatrix (with attachments)  
Mark Dockum - IC (with attachments)  
Webb Garey - IC (with attachments)  
Susan Hugo - ACDEH (with attachments)  
Rich Hiatt - RWQCB (with attachments)



**LEGEND**

- MW-4 ◆ Approximate Location of Monitoring Well
- (1.18) Ground Water Elevation (in feet above mean sea level)
- 1.0' — Ground Water elevation Contour (in feet above mean sea level)
- ➔ Approximate Direction of Ground Water Flow
- x—x— Fence
- - - - - Former BoBo's Junk Yard Property Boundary
- ▒ Building
- +—+— Railroad Track



Drawn By: Patti Decker	Checked By: James Ackerman

**CONTOUR MAP OF GROUND WATER ELEVATIONS  
OCTOBER, 1994  
SOUTHERN PACIFIC TRANSPORTATION COMPANY  
FORMER BOBO'S JUNKYARD  
OAKLAND, CALIFORNIA**

Figure: 1
Page No.:
Scale: as shown

Oak-4550394GWF-04 #200

TABLE 1  
MONITORING WELL GROUND WATER ELEVATION DATA  
HISTORICAL

Well <sup>a</sup>	Date Measured	Depth to Water (feet)	PVC Casing Elevation <sup>b</sup> (feet-MSL)	Ground Water Elevation (feet-MSL)
MW-1	07/91 <sup>c</sup>	2.54	6.22	3.68
	11/91 <sup>c</sup>	NM		NM
	02/92 <sup>c</sup>	3.58		2.64
	04/92 <sup>c</sup>	3.10		03.12
	07/92 <sup>c</sup>	3.28		2.94
	11/92 <sup>c</sup>	3.44		2.78
	08/94	3.40		1.22
	09/94	5.00		2.82
	10/94	4.84		1.38
MW-3	07/91 <sup>c</sup>	4.19	6.53	3.68
	11/91 <sup>c</sup>	NM		NM
	02/92 <sup>c</sup>	3.94		2.59
	04/92 <sup>c</sup>	NM		NM
	07/92 <sup>c</sup>	4.08		2.45
	11/92 <sup>c</sup>	4.00		2.53
	08/94	5.65		0.88
	09/94	5.72		0.81
	10/94	5.80		0.73
MW-4	07/91 <sup>c</sup>	5.79	7.50	1.71
	11/91 <sup>c</sup>	NM		NM
	02/92 <sup>c</sup>	5.40		2.10
	04/92 <sup>c</sup>	5.22		2.28
	07/92 <sup>c</sup>	6.92		0.58
	11/92 <sup>c</sup>	5.76		1.74
	08/94	8.08		-0.58
	09/94	7.82		-0.32
	10/94	8.06		-0.56

low

TABLE 1 (Continued)  
 MONITORING WELL GROUNDWATER ELEVATION DATA  
 HISTORICAL

Well <sup>a</sup>	Date Measured	Depth to Water (feet)	PVC Casing Elevation <sup>b</sup> (feet-MSL)	Ground Water Elevation (feet-MSL)
MW-6	04/92 <sup>c</sup>	2.13	5.78	3.65
	07/92 <sup>c</sup>	2.76		3.02
	11/92 <sup>c</sup>	3.40		2.38
	08/94	4.19		1.59
	09/94	4.76		1.02
	10/94	4.60		1.18

- a See attached figure for well locations.
- b casing elevation surveyed by a liscensed surveyor.
- c Data taken from previous report at same location.
- MSL** Mean Sea Level
- NM** Not measured.

# GROUND WATER ELEVATION MEASUREMENT LOG

Project Name: FORMER BOB'S TUNGYARD Project No.: 05100465 Task/Phase: \_\_\_\_\_

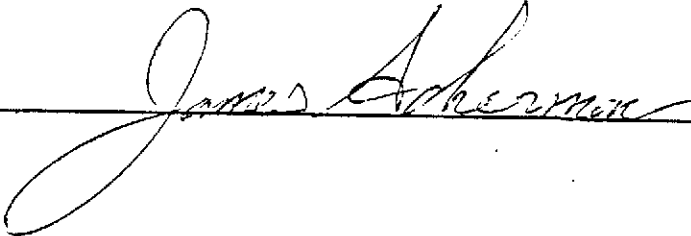
Date: 10-20-94 Start/Finish: 0830/0830/0835/0845 Weather: OVERCAST

Well Number	Reference Elevation (feet ml)	DTW (feet)	PT (feet)	PT x 0.8 (feet)	Adjusted DTW (DTW - (PT x 0.8))	Ground Water Elevation (feet ml)	Comments
MW-4	7.50	8.06				-0.56	
MW-3	6.53	5.80				0.73	
MW-1	6.22	4.84				1.38	
MW-6	5.78	4.60				1.18	

DTW = Depth to Water (to 0.01 feet)

DTP = Depth to Product (to 0.01 feet)

PT = Product Thickness (to 0.01 feet)

Signature: 





## Industrial Compliance

9718 Lincoln Village Drive, Suite 310 Sacramento, CA 95827 916/369-8971 FAX 916/369-8370

October 4, 1993

IC Project Nos. 05100032  
05100269  
05100535  
05100549  
05100550

Ms. Jennifer Eberle  
Alameda County Health Care Services Agency  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, California 94621

VIA FACSIMILE

Re: Oakland Projects - Schedules  
Southern Pacific Transportation Company  
Oakland, California

Dear Ms. Eberle:

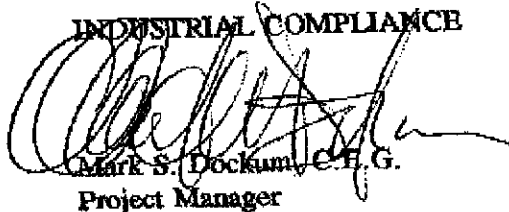
Attached, please find draft project schedules for the following Southern Pacific Transportation Company (SPTCo) Oakland sites:

- \* 721 Cedar Street (IC project number 05100550) ~~5681~~ 3706
- \* 1912 Seventh Street (IC project number 05100549) 3681
- \* 5<sup>th</sup> and Kirkham (IC project number 05100032) 3725
- \* 1399 Wood Street (IC project number 05100535) 3824
- \* 5<sup>th</sup> and 7<sup>th</sup> Street (IC project number 05100269) 3749

Please review these schedules and provide me with any questions/comments you may have:

Sincerely,

INDUSTRIAL COMPLIANCE

  
Mark S. Dockum, C.E.G.  
Project Manager

Post-It™ brand fax transmittal memo 7871		# of pages ▶ 11
To Jennifer Eberle	From Mark Dockum	
At Alameda Co.	Co. IC	
Dept. Env. Health	Phone 916 369 8277	
Fax # 510 271 4522	Fax # 916 369 8370	

1680-039.LTR/10-4-93/C:\MSD\1-880

Dedicated to solving your environmental problems.

A Subsidiary of SP Environmental Systems, Inc.



Ms. Jennifer Eberle  
October 4, 1993  
Page 2

Attachments

cc: Mr. Greg Shepherd, Southern Pacific Transportation Company (with attachments)

10-6-93 Spoke w/ Jim Jensen of IC re ① the  
extremely long period of time bet.  
sample + submitg reports (3-4 1/2 months)!  
② missing AlCo letters  
③ 1st round ~~for~~ QS ?



ID	Name	Scheduled Start	Scheduled Finish	1994													
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
1	Soil Remediation?	1/4/94	1/4/94														
2	Submit Soil Investigation Report	1/4/94	1/4/94														
3	Submit Proposal for Closure Report to County	3/4/94	3/4/94														


*(Summary report)*

*3 mos?*

*x missing 6-21-91 ALCo ltr*

**DRAFT**

Project: #05100032 - 5th and Kirkham St. Project  
 Date: 10/4/93

Critical  Progress  Summary   
 Noncritical  Milestone  Rolled Up 



93 OCT -4 PM 2: 10

September 30, 1993

IC Project Nos. 05100032, 05100269  
05100535, 05100549  
and 05100550

Ms. Jennifer Eberle  
Alameda County Health Care Services Agency  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, California 94621

VIA FACSIMILE

**Re: Oakland Projects - Status  
Southern Pacific Transportation Company  
Oakland, California**

Dear Ms. Eberle:

As was discussed in our telephone conversation of September 28, 1993, the following is a status report for the 5 Southern Pacific Transportation Company (SPTCo) projects that the Alameda County Health Care Services Agency Hazardous Materials Division (the County) is currently performing oversight responsibilities on in the Oakland area.

**Project No. 05100549 - 1912 Seventh Street Property:** 3681

A workplan has been submitted to and approved by the County (work plan dated April 16, 1993, workplan entitled: *Soil Remediation and Investigation Workplan - Revised*). The approval letter from the County was dated May 3, 1993. IC anticipates initiating fieldwork during the week of October 23, 1993. A detailed schedule will be submitted under separate cover by October 4, 1993.

**Project No. 05100032 - 5th and Kirkham Streets Property:** 3725

A bioremediation workplan has been submitted to and approved by the County (workplan dated May 16, 1991, workplan entitled: *Soil Remediation Workplan*). The approval letter from the County was dated June 21, 1991 - ~~not here~~ missing

Bioremediation of the stockpile occurred, however, due to site requirements, the stockpile was disposed of offsite. During October of 1991, this stockpiled soil was removed from the property, and brought to: the Forward Inc. Landfill (TPH affected soil); Kettleman Hills Treatment Facility (**Pesticide affected soil**).



Ms. Jennifer Eberle  
September 30, 1993  
Page 2

IC will prepare a report summary for the activities carried out at this site. If appropriate, IC will then recommend site closure for this property.

Project No. 05100550 - 721 Cedar Street Property: 3706

A workplan has been submitted to and approved by the County (workplan dated May 28, 1992, entitled: *Site Investigation Workplan*). The approval letter from the County was dated June 18, 1992. A report was then submitted to the County (report dated December 8, 1992, report entitled: *Phase II Soil Investigation Report*), on December 8, 1992.

IC will prepare a workplan for soil remediation, as described in the above report, and submit to the County, in accordance to the schedule to be submitted by October 4, 1993.

Project No. 05100269 - 5th Ave. and 7th Property: 3748

A workplan has been submitted to and approved by the County (workplan dated June 18, 1992, workplan entitled: *Preliminary Site Assessment Workplan*). The approval letter, with conditions/comments, was dated August 7, 1992. A workplan addendum (addendum dated October 26, 1992, addendum entitled: *Workplan Addendum*), was then prepared, which addressed the County's comments. Both the Preliminary Site Assessment Workplan and the Workplan Addendum were then submitted to the County for final approval on October 26, 1992. Approval for both the workplan and the addendum were granted on November 16, 1992, on the condition that 2 additional monitoring wells be installed on the premises.

It is anticipated that IC will begin performing field work during the week of October 23, 1993 in accordance with the schedule to be submitted by October 4, 1993.



Ms. Jennifer Eberle  
September 30, 1993  
Page 3

Project No. 05100535 - 1399 Wood Street Property:

3824

A workplan has been submitted to and approved by the County (workplan dated June 11, 1992, workplan entitled: *Preliminary Soil Investigation Workplan*). The approval letter from the County was dated June 23, 1992. This workplan included 3 phases: Phase I - completion of soil borings and report preparation, Phase II - implementation of remediation, based on phase I soil investigation, and Phase III - implementation of groundwater investigation, including monitoring well installation and quarterly groundwater reporting.

Fieldwork for phase I (soil borings) was completed, in accordance to the workplan listed above, in October, 1992.

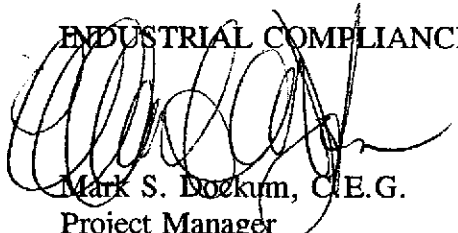
IC will prepare a summary report regarding phase I, of the investigation workplan, listed above. This report will include field procedures, analytical results, conclusions, and an evaluation of remedial options for soil.

Please note, as previously discussed between yourself, Mr. Greg Shepherd of SPTCo, and myself work on these sites was trying to be coordinated with the overall efforts of the I-880 realignment project which effects some of these sites. However, SPTCo will proceed with their work in advance of the I-880 realignment project schedule.

If you should have any further questions regarding this information, or if you would like to discuss this in greater detail, please do not hesitate to contact me at your earliest convenience at (916) 369-8971.

Sincerely,

INDUSTRIAL COMPLIANCE



Mark S. Dozkum, C.E.G.  
Project Manager

MSD/ekw

cc: Mr. Greg Shepherd, Southern Pacific Transportation Company



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

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 8006619  
 StID : 3725  
 SITE NAME: Southern Pacific Trans. Co.      DATE REPORTED : 02/14/90  
 ADDRESS :-0-    -0 - 5th & Kirkham      DATE CONFIRMED: 02/20/90  
 CITY/ZIP : Oakland      94607      MULTIPLE RPs : N

SITE STATUS

CASE TYPE: G      CONTRACT STATUS: 3      EMERGENCY RESP: -0-  
 RP SEARCH: S      DATE COMPLETED: -0-  
 PRELIMINARY ASMNT: U      DATE UNDERWAY: 10/23/90      DATE COMPLETED: -0-  
 REM INVESTIGATION: -      DATE UNDERWAY: -0-      DATE COMPLETED: -0-  
 REMEDIAL ACTION: -      DATE UNDERWAY: -0-      DATE COMPLETED: -0-  
 POST REMED ACT MON:-      DATE UNDERWAY: -0-      DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: -0-  
 LUFT FIELD MANUAL CONSID: 3  
 CASE CLOSED: -      DATE CASE CLOSED: -0-  
 DATE EXCAVATION STARTED : 02/14/90      REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: ~~John Moe~~ *Greg Shepherd*  
 COMPANY NAME: Southern Pacific Trans. Co.  
 ADDRESS: One Market Plaza  
 CITY/STATE: San Francisco, C A 95105

INSPECTOR VERIFICATION:

NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DATA ENTRY INPUT:

Name/Address Changes Only

Case Progress Changes

ANPNPGMS \_\_\_\_\_ LOP \_\_\_\_\_ DATE \_\_\_\_\_

LOP \_\_\_\_\_ DATE \_\_\_\_\_

DATE: Feb 28, 1992  
TO : Local Oversight Program  
FROM: Eonew  
SUBJ: Transfer of Eligible Oversight Case

Site name: Southern Pacific Transportation Co  
Address: 5th & Kirkham Sts. city Oak zip 94607  
Closure plan attached?  N DepRef remaining \$ 350.00  
DepRef Project # 815 STID #(if any) 3725  
Number of Tanks: 4 removed?  N Date of removal Feb 1990  
Leak Report filed?  N Date of Discovery 2-5-90  
Samples received? Y N Contamination: soil, water  
Petroleum  N Types: Avgas Jet leaded unleaded Diesel  
fuel, oil waste oil kerosene solvents

Monitoring wells on site 4 Monitoring schedule?  N

Briefly describe the following:

Preliminary Assessment \_\_\_\_\_  
Remedial Action Soil was aerated in situ and used as gd cover.  
Post Remedial Action Monitoring \_\_\_\_\_  
Enforcement Action \_\_\_\_\_

Comments:  
TPH(d) and Benzene in MW 3  
Soil has been remediated.  
Must continue to monitor water. or treat water to remove  
contaminants



Site Brief for GENERATORS  
for the City of Fremont

s of 12/27/91 page 3

StID#	Name of Site	Site Address	Zip	Last Insp	#Empl	Sta
2326	Numeric Machine	4439 Enterprise St.	538		7	C
1824	Interior Components,	4453 Enterprise St.	538	02/08/88	4	C
2747	SCS (Support Circuit	4520 Enterprise St.	538	12/12/90	34	I
2131	Seltec Corporation	4568 Enterprise St.	538	08/18/88	35	I
2130	Custom Label, Inc.	4580 Enterprise St.	538	08/18/88	10	C
2185	GE NMR Instruments	255 Fourier Ave.	539	09/07/88	150	C
1651	Holiday Cleaners	34141 Fremont Blvd.	555	08/26/87	10	C
2181	Pegasus One Hour Dry	34257 Fremont Blvd.	555	09/06/88	1	C
2182	Bo-Mar Cleaners	34460 Fremont Blvd.	555	09/06/88	3	C
2016	Brookvale Mobil	35550 Fremont Blvd.	536	05/04/88	8	C
3259	DryClean U.S.A.	35754 Fremont Blvd.	536	01/28/91	2	C
2173	Arco Station #02158	35900 Fremont Blvd.	536	01/04/91	1	C
2168	Winston Tire Service	36527 Fremont Blvd.	536	08/30/88	7	C
1982	Discount Tire Center	36656 Fremont Blvd.	536	08/12/91	5	C
2171	Centerville Rents, I	36660 Fremont Blvd.	536	08/31/88	11	C
1837	Fremont Motors/AMC	36761 Fremont Blvd.	536	02/19/88	10	C
2172	Leal's Auto Mart	36835 Fremont Blvd.	536	08/31/88	1	I
2167	Automotive Discount	37149 Fremont Blvd.	536	08/30/88	3	C
1871	Autowest Acura	37156 Fremont Blvd.	536	05/28/91	2	I
3430	Martin's Auto Wholes	37164 Fremont Blvd.	536	05/28/91	8	C
2153	Schuck's Transmissio	37247 Fremont Blvd.	536	08/29/88	3	C
2152	A-1 Auto Repair	37250 Fremont Blvd.	536	08/29/88	3	I
2155	A-1 Engine Machine	37250 Fremont Blvd.	536	06/29/90	2	C
2154	Pit Stop	37271 Fremont Blvd.	536	03/18/91	2	C
2169	Fremont Yamaha	37423 Fremont Blvd.	536	01/09/91	6	I
2156	Cycle Center of Frem	37464 Fremont Blvd.	536	08/29/88	4	C
1881	Autowest Chrysler/Pl	37516 Fremont Blvd.	536	09/05/91	8	I
1880	Autowest Honda	38383 Fremont Blvd.	536	03/02/88	14	C
1932	Autowest Toyota	38555 Fremont Blvd.	536	02/16/88	13	C
1835	Don Signer Buick	38623 Fremont Blvd.	536	08/07/89	13	C
1895	B&M Radiator Service	38872 Fremont Blvd.	536	03/09/88	3	C
2148	Stevenson Tire Servi	39090 Fremont Blvd.	538	08/26/88	8	C
2004	Montgomery Ward Auto	39201 Fremont Blvd.	538	10/09/90	25	C
1204	Grand Auto	39270 Fremont Blvd.	538	10/07/91	22	C
3537	Savings Cleaners	39480 Fremont Blvd.	538	09/05/91	4	C
1891	Andy's Exxon	39990 Fremont Blvd.	538	03/08/88	1	C
1718	Firestone	40861 Fremont Blvd.	538	12/03/87		Q
2137	Fremont Auto Sales	40907 Fremont Blvd.	538	08/22/88	2	C
2138	Cairo Express Auto C	41762 Fremont Blvd.	538	11/30/90	1	C
2136	Big "O" Tires	42240 Fremont Blvd.	538	10/09/90	8	C
2106	Glacier Ice Co. Inc.	43988 Fremont Blvd.	538	08/11/88	35	C
2170	Bay Area Auto Specia	44865 Fremont Blvd.	538	10/09/90	2	C
2186	Kenny Smith Enterpri	44865 Fremont Blvd.	538	05/07/91	1	I
3383	C&M Automotive	44875 Fremont Blvd.	538	05/03/91	1	C
1365	NUMMI New United Mot	45500 Fremont Blvd.	538	05/07/87	2500	C
3546	Best 1 Hour Photo	34420 Fremont Blvd. #	555	09/17/91	1	C
2226	Crass Tooling & Mach	45461 Fremont Blvd. #1	538	10/07/88	2	C
3539	L&S Laboratory	45277 Fremont Blvd. #3	538	08/27/91	2	C
2225	Pelican Signs	45333 Fremont Blvd. #4	538	10/07/88	9	C
1543	Astro Metal Finishin	1430 Fulton Pl.	539	08/05/87	9	Q
2124	Fernandez & Sons Bod	37401 Glenmoor Dr.	536	04/26/89	4	C
2503	Eddie's German Auto	37425 Glenmoor Dr.	536	05/26/89	3	C
2125	Denny's Body & Paint	37473 Glenmoor Dr.	536	12/10/90	4	C

STATUS: C = Current

I = Inactive

Q = need Q'naire



**SP ENVIRONMENTAL SYSTEMS, INC.**

9719 LINCOLN VILLAGE DR. SUITE 310 SACRAMENTO, CA 95827 (916) 369-8971 FAX (916) 369-8370

January 10, 1992

CALIFORNIA REGIONAL WATER

JAN 13 1992

QUALITY CONTROL BOARD

Mr. Don Cox  
California Environmental Protection Agency  
Department of Toxic Substance Control - Region 2  
700 Heinz Avenue, Building F  
Berkeley, CA 94710

**Subject: Pesticide Impacted Soil  
Southern Pacific Transportation Company Property  
Bobo's Junkyard  
Oakland, California  
SPEvS Project No. 05465**

*Current list  
not to list as NBT  
also. sent*

Dear Mr. Cox:

SP Environmental System, Inc. (SPEvS), on behalf of Southern Pacific Transportation Company (SPTCo) is submitting this letter to supplement information previously provided to you regarding a portion of the SPTCo 5th and Kirkham Streets property located in Oakland, California (see Figure 1). Specifically, the site is the previous location of the former Bobo's Junkyard located at 1401 Third Street (see Figure 2). An in-house audit of this property was conducted by SPEvS for SPTCo, in connection with a possible transfer of the property to CalTrans for the relocation of Interstate 880. The attached analytical results (Attachment A) are being submitted for your information. Refer to Tables 1 through 4.

This information supplements information prepared by SPEvS on behalf of SPTCo, identified below, that has been previously provided to Alameda County Health Care Services Agency (ACHCSA) and other state agencies regarding chemical constituents found at the property. As you are aware, four USTs were removed from the 5<sup>th</sup> and Kirkham Streets property in February 1990. Two of these tanks were on the Bobo Junkyard portion of the property. On March 23, 1990, SPEvS submitted a report of tank removal, entitled "Removal of Underground Storage Tanks, 330 Cypress Street, Oakland, California" to ACHCSA. SPEvS' proposal to excavate and stockpile affected soil was presented to ACHCSA in the workplan dated September 27, 1990, entitled, "Work Plan for Soil and Groundwater Investigation". A letter dated November 15, 1990, advised the Department of Health Services of the tank removal. Implementation of the workplan was described in a report to ACHCSA dated March 1, 1991, entitled "Phase II Environmental Site Assessment, Southern Pacific Transportation Company, 5th and Kirkham Streets Property, Oakland, California". A proposal to separate the stockpile into unimpacted soil and impacted soil was presented to ACHCSA in a letter dated May 16, 1991. ACHCSA approved the workplan in a letter dated June 21, 1991. Results of confirmation sampling were also submitted to ACHCSA in a letter dated August 26, 1991. On September 6, 1991, SPEvS submitted a report to the California Environmental Protection Agency regarding soil impacted by DDT, DDD, DDE, and dieldrin that was discovered on the property adjacent to the Bobo Junkyard site. On October 11, 1991, SPEvS submitted a report describing the results of soil samples collected from soil undergoing bioremediation. On

January 10, 1992  
Mr. Don Cox  
California Environmental Protection Agency  
Page 2

November 12, 1991, SPEvS submitted a report summarizing the treatment and disposal of hydrocarbon affected soil. SPEvS is also presently conducting quarterly sampling of groundwater monitoring wells on-site in connection with the tank removals and submitting the results to ACHCSA.

Additional sampling is being conducted on the Oakland Railyard property by the State at this time prior to the possible transfer of the property to CalTrans for the I-880 relocation project. The results of this investigation will be submitted to you as soon as they are available.

SPEvS is in the process of developing a workplan to address the elevated levels of the indicated contaminants reflected in the attached pages, and will provide the workplan to you as soon as it is available.

Sincerely,



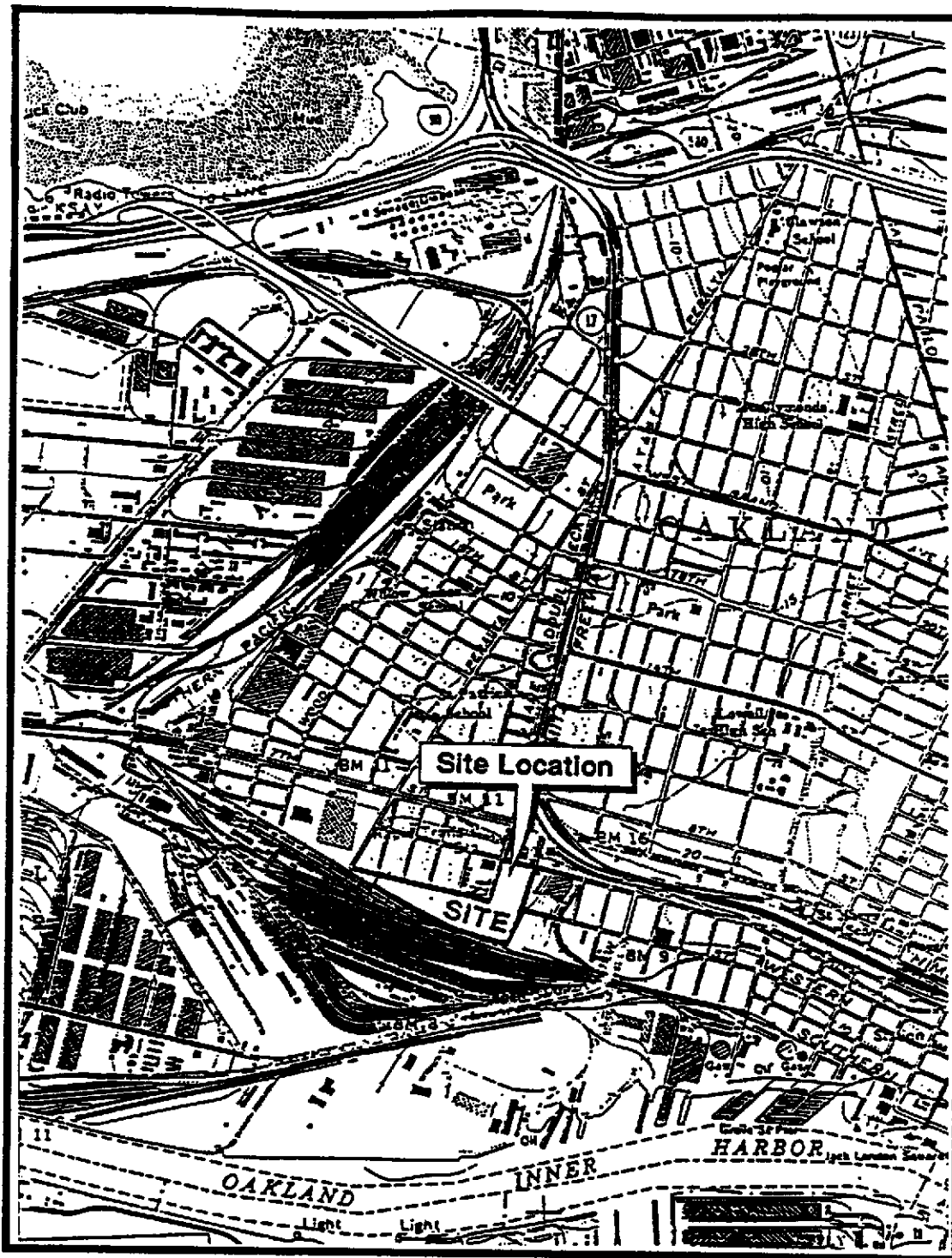
Mark S. Dockum, C.E.G.  
Project Manager

Enclosure

cc: Mr. Dennis Byrnes  
Alameda County Health Care Services Agency  
80 Swan Road  
Oakland, CA 94621

Mr. Lester Feldman  
Regional Water Quality Control Board  
San Francisco Bay Region  
2101 Webster Street  
Suite 500  
Oakland, CA 94612

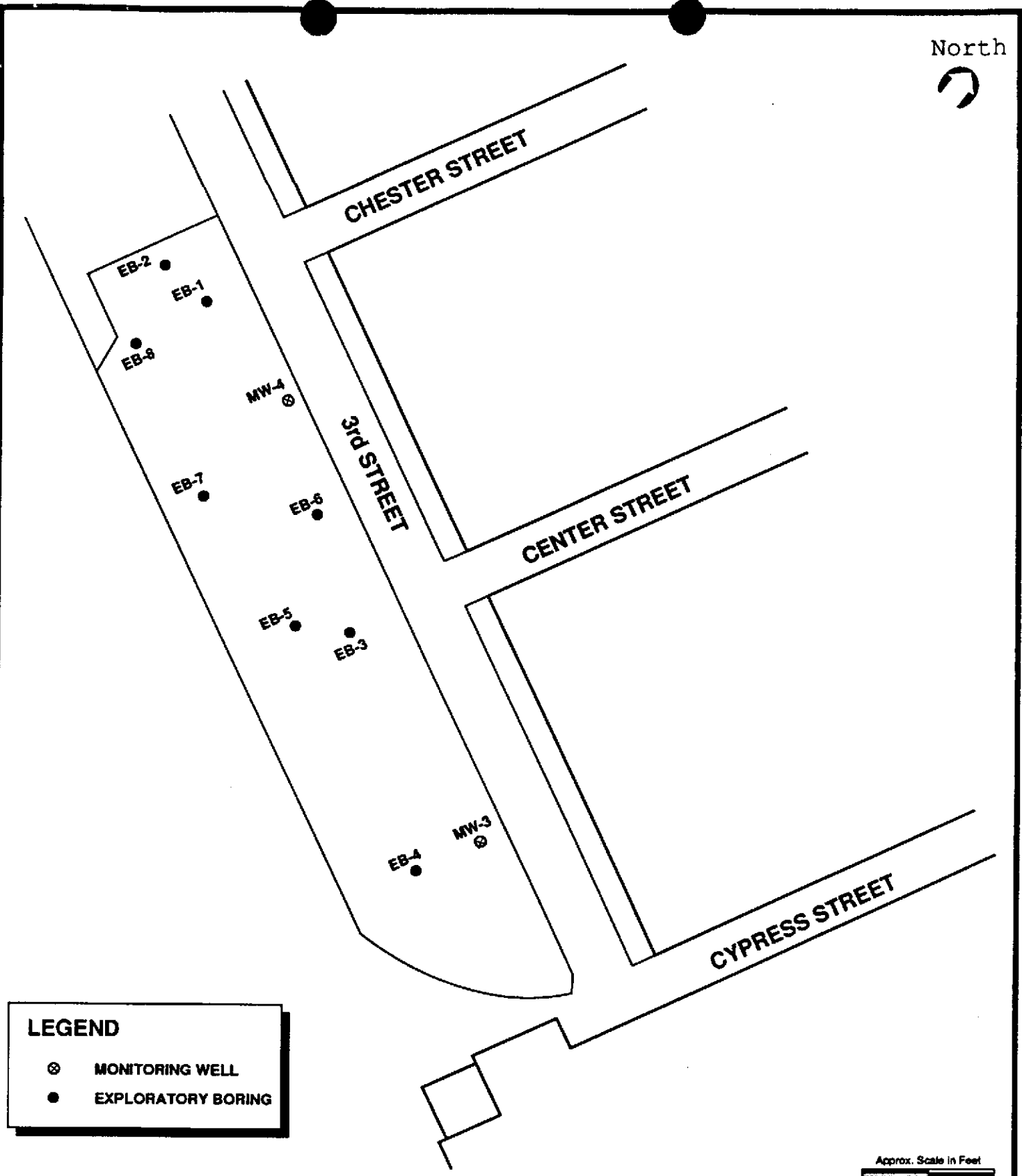
Ms. Irene Itamura  
Project Manager  
I-880/Cypress Relocation  
(Benicia-Martinez Bridge System Branch)  
30 Van Ness Avenue  
P. O. Box 7310  
San Francisco, CA 94120



Reference:  
 USGS 7.5 Minute Series Topographic Map  
 Oakland California

 <b>SP ENVIRONMENTAL SYSTEMS, INC.</b>	<b>SITE LOCATION MAP</b> <b>SOUTHERN PACIFIC TRANSPORTATION CO.</b> <b>5TH &amp; KIRKHAM STREETS PROPERTY</b> <b>OAKLAND, CALIFORNIA</b>		FIGURE: 1
			SCALE: as shown
PROJECT NO: 05465	DATE: 01/09/92		
DRAWN BY: PD	CHECKED BY: WF		

North



**LEGEND**

- ⊗ MONITORING WELL
- EXPLORATORY BORING

Approx. Scale in Feet  
 0 ————— 100'



**SP ENVIRONMENTAL SYSTEMS, INC.**

PROJECT NO: 05465

DATE: 01/09/92

DRAWN BY: PD

CHECKED BY: WF

**LOCATION OF MONITORING WELLS AND EXPLORATORY BORINGS AT "BOBO'S JUNKYARD" OAKLAND, CALIFORNIA**

FIGURE

2

SCALE

as shown

**Table 1**  
**Summary of TPH and VOC Analyses**  
**Southern Pacific Transportation Company**  
**Exploratory Borings - Bobo's Junkyard**  
**Oakland, California**  
**SPEvS Project No. 05465**

Boring <sup>a</sup> Number	Depth <sup>b</sup>	Total Petroleum Hydrocarbons (mg/kg)			VOCs (mg/kg) <sup>f</sup>		
		TPH-G <sup>c</sup>	TPH-D <sup>d</sup>	O & G <sup>e</sup>	DCE	TCE	Xylene
EB-1	Surface	NA	<10	<50	NA	NA	NA
	4	<10	<10	160	0.023	0.017	<.005
EB-2	Surface	NA	<10	1400	NA	NA	NA
	4	<10	<10	<50	<0.005	<0.005	0.0081
EB-3	Surface	NA	290	3300	NA	NA	NA
	4	<10	<10	<50	<0.005	<0.005	<0.005
EB-4	Surface	NA	15	1300	NA	NA	NA
	4	<10	<10	64	<0.005	<0.005	<0.005
EB-5	Surface	NA	270	7200	NA	NA	NA
	4	<10	56	<50	<0.025	<0.025	<0.005
EB-6	Surface	NA	220	1000	NA	NA	NA
	4	<10	<10	<50	<0.005	<0.005	<0.005
EB-7	1.5'	NA	<10	170	NA	NA	NA
	4	<10	<10	96	<0.005	<0.005	<0.005
EB-8	Surface	NA	<10	<50	NA	NA	NA
	4	<10	<10	4000	<0.005	<0.005	<0.005
MW-3	Surface	NA	210	<50	NA	NA	NA
	4	<10	<10	<50	<0.005	<0.005	<0.005
	8	<10	<10	7400	<0.005	<0.005	<0.005

- a See Figure 2 for approximate boring locations
- b Depth in feet below ground surface
- c Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 8015 Modified
- d Total Petroleum Hydrocarbons as diesel analyzed by EPA Method 8015 Modified
- e Oil and Grease analyzed by EPA Method 413.1

- f Volatile organic compounds analyzed by EPA Method 8240
- DCE Dichloroethylene
- TCE Trichloroethylene
- mg/kg milligram per kilogram
- < Indicates the analyte was not detected at or above the method detection limits as noted.

**Table 2**  
**Summary of Metal Analyses**  
**Southern Pacific Transportation Company**  
**Exploratory Borings - Bobo's Junkyard**  
**Oakland, California**  
**SPEvS Project No. 05465**

Boring <sup>a</sup> Number	Metals <sup>b</sup> (mg/kg)							
	Depth <sup>c</sup>	Cd	Cr	Cu	Pb	Hg	Ni	Zn
EB-1	Surface	<0.5	27.9	40.3	250	0.84	18.7	112
	4	<0.5	26.4	14.8	28.5	<0.1	14.8	33.9
EB-2	Surface	13.2	44.4	1,140	740	0.84	39	939
	4	<0.5	33.5	27.5	7.6	0.59	23.4	36.5
EB-3	Surface	3.0	69.9	3,440	953	0.31	68.8	636
	4	<0.5	29.6	46.1	<5	<0.1	17.2	22.9
EB-4	Surface	1.8	30.7	175	378	0.44	21.9	259
	4	<0.5	27.3	44.4	<5	<0.1	16.6	29.9
EB-5	Surface	<0.5	39.2	54.6	80.5	0.17	37.7	86.2
	4	<0.5	28.4	21	<5	<0.1	17.4	21.1
EB-6	Surface	1.3	42.9	194	228	1.9	36.1	307
	4	<0.5	23.1	10.2	<5	<0.1	14	14
EB-7	1.5	0.8	42	70.1	340	0.48	11.4	157
	4	<0.5	24.2	17.5	<5	<0.1	12.8	18.7
EB-8	Surface	<0.5	20.1	47.4	210	0.6	17	132
	4	<0.5	19	11	61.9	0.1	12.8	26.3
MW-3	Surface	6.3	49.2	262	603	1.2	32.7	623
	4	<0.5	26.3	9.9	<5	<0.1	16.7	15.7

**a** See Figure 2 for approximate location of borings.

**b** Analyzed using EPA 6000 and 700 series Methodology.

**c** Depth in feet below ground surface

**Cd** Cadmium

**Cr** Chromium

**Cu** Copper

**Pb** Lead

**Hg** Mercury

**Ni** Nickel

**Zn** Zinc

< Indicates the analyte was not detected at or above the method detection limits.

**Table 3**  
**Summary of PCB and Chlorinated Pesticide Analyses**  
**Southern Pacific Transportation Company**  
**Exploratory Borings on Bobo's Junkyard**  
**Oakland, California**  
**SPEvS Project No. 05465**

Sample <sup>a</sup> Number	Depth <sup>b</sup>	Organochlorine Pesticides <sup>a</sup> (mg/kg)								PCB <sup>a</sup> (mg/kg)
		Chlordane	Toxaphene	Lindane	DDT	DDD	DDE	Endrin	Dieldrin	PCB
EB-1	Surface	<0.08	<0.16	<0.008	<0.016	<0.016	<0.016	<0.016	<0.016	<0.08
	4	1.8	<1	<0.012	<0.05	<0.05	<0.025	<0.025	<0.025	<0.5
EB-2	Surface	66	42	<0.012	5	<0.5	<2.5	<2.5	<2.5	<5
	4	0.98	0.49	<0.008	<0.05	<0.05	<0.025	<0.025	<0.025	<0.08
EB-3	Surface	<2.5	<10	0.26	<0.5	<0.5	<1.2	<1.2	<0.25	188
	4	<0.08	<0.16	<0.008	<0.016	<0.016	<0.016	<0.016	<0.016	<0.08
EB-4	Surface	<0.12	<0.5	<0.008	<0.12	<0.12	<0.062	<0.062	<0.062	<0.25
	4	<0.12	<0.16	<0.008	<0.016	<0.025	<0.016	<0.016	<0.016	<0.25
EB-5	Surface	<0.25	<1	<0.012	0.098	1.7	0.26	0.046	1.5	<0.5
	4	<0.25	<1	<0.012	<0.05	<0.05	<0.025	<0.025	<0.025	<0.5
EB-6	Surface	<0.62	<0.5	<0.008	0.1	<0.12	<0.062	<0.062	<0.062	<0.25
	4	<0.08	<0.16	<0.008	<0.016	<0.016	<0.016	<0.016	<0.016	<0.08
EB-7	1.5'	<0.08	<0.16	<0.008	<0.016	<0.016	<0.016	<0.016	<0.016	<0.08
	4	<0.08	<0.16	<0.008	<0.016	<0.016	<0.016	<0.016	<0.016	<0.08
EB-8	Surface	<0.12	<0.5	<0.008	<0.025	<0.025	<0.012	<0.012	<0.012	<0.25
	4	<0.12	<0.5	<0.008	<0.025	<0.025	<0.012	<0.012	<0.012	<0.25
MW-3	Surface	<2.5	<10	<0.12	5.3	<0.5	1.5	<0.25	0.40	<5
	4	<0.08	<0.16	<0.008	<0.016	<0.016	<0.016	<0.016	<0.016	<0.08

<sup>a</sup> See Figure 2 for approximate boring locations  
<sup>b</sup> Depth in feet below ground surface.  
<sup>c</sup> Analyzed by EPA Method 8080  
< Indicates the analyte was not detected at or above the method detection limit as noted.

mg/kg miligram per kilogram  
DDT Dichlorodiphenyltrichloroethane  
DDD Dichlorodiphenyldichloroethane  
DDE Dichlorodiphenyldichloroethylene  
PCB Polychlorinated Biphenyls



**Table 4**  
**Summary of Analyses**  
**Southern Pacific Transportation Company**  
**Debris Piles on Bobo's Junkyard**  
**Oakland, California**  
**SPEvS Project No. 05465**

Sample <sup>a</sup> Number	Total Petroleum Hydrocarbons (mg/kg)		Metals <sup>d</sup> (mg/kg)							Organochlorine Compounds <sup>e</sup> (mg/kg)					
	TPH-D <sup>b</sup>	O & G <sup>c</sup>	Cd	Cr	Cu	Pb	Hg	Ni	Zn	PCB	DDT	DDD	DDE	Endrin	Dieldrin
P <sub>1</sub>	3,700	20,000	8.7	91.9	629	911	17.3	115	1,210	4.6	3.5	1.0	0.86	0.22	0.34
P <sub>2</sub>	7,600	13,000	17.7	187	6,670	3,480	1.5	118	3,400	230	<5	<5	<2.5	<2.5	<5
P <sub>3</sub>	2,900	13,000	10.6	104	7,320	2,140	0.76	715	4,640	87	<2.5	<2.5	<1.2	<1.2	<1.2
P <sub>4</sub>	4,400	<50	10.7	90.4	559	1,880	0.51	77	1,210	550	<5	<5	<2.5	<2.5	<2.5

a Samples were collected from 4 different debris piles located on the site.

b TPH as diesel analyzed by EPA Method 8015 Modified.

c Oil and Grease analyzed by EPA Method 413.1

d Analyzed by EPA 6000 and 7000 Series Methodology

e Analyzed by EPA Method 8080.

< Indicates the analyte was not detected at or above the method detection limits.  
 Detection limits were adjusted to account for matrix interferences.

Cd Cadmium  
 Cr Chromium  
 Cu Copper  
 Pb Lead  
 Hg Mercury  
 Ni Nickel  
 Zn Zinc  
 DDT Dichlorodiphenyltrichloroethane  
 DDD Dichlorodiphenyldichloroethane  
 DDE Dichlorodiphenyldichloroethylene  
 PCB Polychlorinated Biphenyls

**ALAMEDA COUNTY  
HEALTH CARE SERVICES**AGENCY  
DAVID J. KEARS, Agency DirectorDEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)**RECEIVED**

21 June 1991

JUN 25 1991

SP-ENVIRONMENTAL

Walter Floyd  
Southern Pacific Environmental Systems, Incorporated  
9719 Lincoln Village Drive  
Suite 310  
Sacramento, CA 95827

3775

Subject: Soil Remediation at the Southern Pacific Property at 5th  
and Kirkham Streets, Oakland.


Dear Mr. Floyd:

The soil remediation work plan submitted for the site listed above and dated 16 May 1991 has been reviewed. Approval is granted for the implementation of this plan.

Please be aware that further ground water monitoring will be required at this site. A quarterly sampling program incorporating an analysis for TPH Gasoline, TPH Diesel and Benzene Toluene Xylene and Ethylbenzene should be initiated. You can anticipate that a minimum of one year of ground water monitoring data will be required prior to the site being considered for closure.

If you have any questions concerning this matter, please feel free to contact me at (415) 271-4320.

Sincerely,

  
Dennis J. Byrne  
Senior Hazardous Materials Specialistcc: Lester Feldman, SFBRWQCB  
Rafat Shahid, Assistant Director, Alameda County Department  
of Environmental Health.

# UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

12/15/90

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.
--	---	--

REPORT DATE 1_M 1_M 0_D 2_D 9_Y 0_V	CASE # _____	SIGNED <i>Dennis Byrne</i>	DATE 11/12/90
--	-----------------	-------------------------------	------------------

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Dennis Byrne	PHONE (415) 271-4320	SIGNATURE <i>Dennis Byrne</i>	
	REPRESENTING <input checked="" type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME Alameda County Dept. Environ Health Haz Mat Div		
	ADDRESS 80 Swan way Rm 200 Oakland CA 94621			

RESPONSIBLE PARTY	NAME Southern Pacific Transportation Co	CONTACT PERSON John Moe	PHONE (415) 541-1495
	ADDRESS One Market Plaza San Francisco CA 95105		

FACILITY NAME (IF APPLICABLE) Bobo's Junkyard	OPERATOR _____	PHONE ( )
ADDRESS 3rd + Kirkham Sts Oakland Alameda 94607		
CROSS STREET Cypress, Center Sts		

IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Dept. Environ Health Haz Mat Div	CONTACT PERSON Dennis Byrne	PHONE (415) 271-4320
	REGIONAL BOARD San Francisco Bay	AGENCY NAME _____	CONTACT PERSON Steve Luquina

SUBSTANCES INVOLVED	(1) NAME Petroleum Hydrocarbons	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2) _____	<input type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 0_M 2_M 0_D 5_D 9_Y 0_V	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN _____	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0_M 2_M 0_D 5_D 9_Y 0_V			

SOURCE/ CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
---------------	---	--

CASE TYPE	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
-----------	--

CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY
----------------	--

REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)	<input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT)
	<input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS)	<input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS)

up to 1600 ppm TPH detected in soil samples collected from 4 UGT's removed from various locations within property

## INSTRUCTIONS

### EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

### LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

### REPORTED BY

Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

### RESPONSIBLE PARTY

Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

### SITE LOCATION

Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

### IMPLEMENTING AGENCIES

Enter names of the local agency and Regional Water Quality Control Board involved.

### SUBSTANCES INVOLVED

Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

### DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

### SOURCE/CAUSE

Indicate source(s) of leak. Check box(es) indicating cause of leak.

### CASE TYPE

Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

### CURRENT STATUS

Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.

Leak Being Confirmed - Leak suspected at site, but has not been confirmed.

Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.

Preliminary Site Assessment Underway - implementation of workplan.

Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.

Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.

Cleanup Underway - implementation of remediation plan.

Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.

Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

### REMEDIAL ACTION

Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.

Containment Barrier - install vertical dike to block horizontal movement of contaminant.

Excavate and Dispose - remove contaminated soil and dispose in approved site.

Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).

Remove Free Product - remove floating product from water table.

Pump and Treat Groundwater - generally employed to remove dissolved contaminants.

Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.

Replace Supply - provide alternative water supply to affected parties.

Treatment at Hookup - install water treatment devices at each dwelling or other place of use.

Vacuum Extract - use pumps or blowers to draw air through soil.

Vent Soil - bore holes in soil to allow volatilization of contaminants.

No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

### DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Loans and Grants, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. County Board of Supervisors or designee to receive Proposition 65 notifications.
5. Owner/responsible party.

**SP ENVIRONMENTAL SYSTEMS, INC.**  
**9719 Lincoln Village Drive, Suite #310**  
**Sacramento, CA 95827**

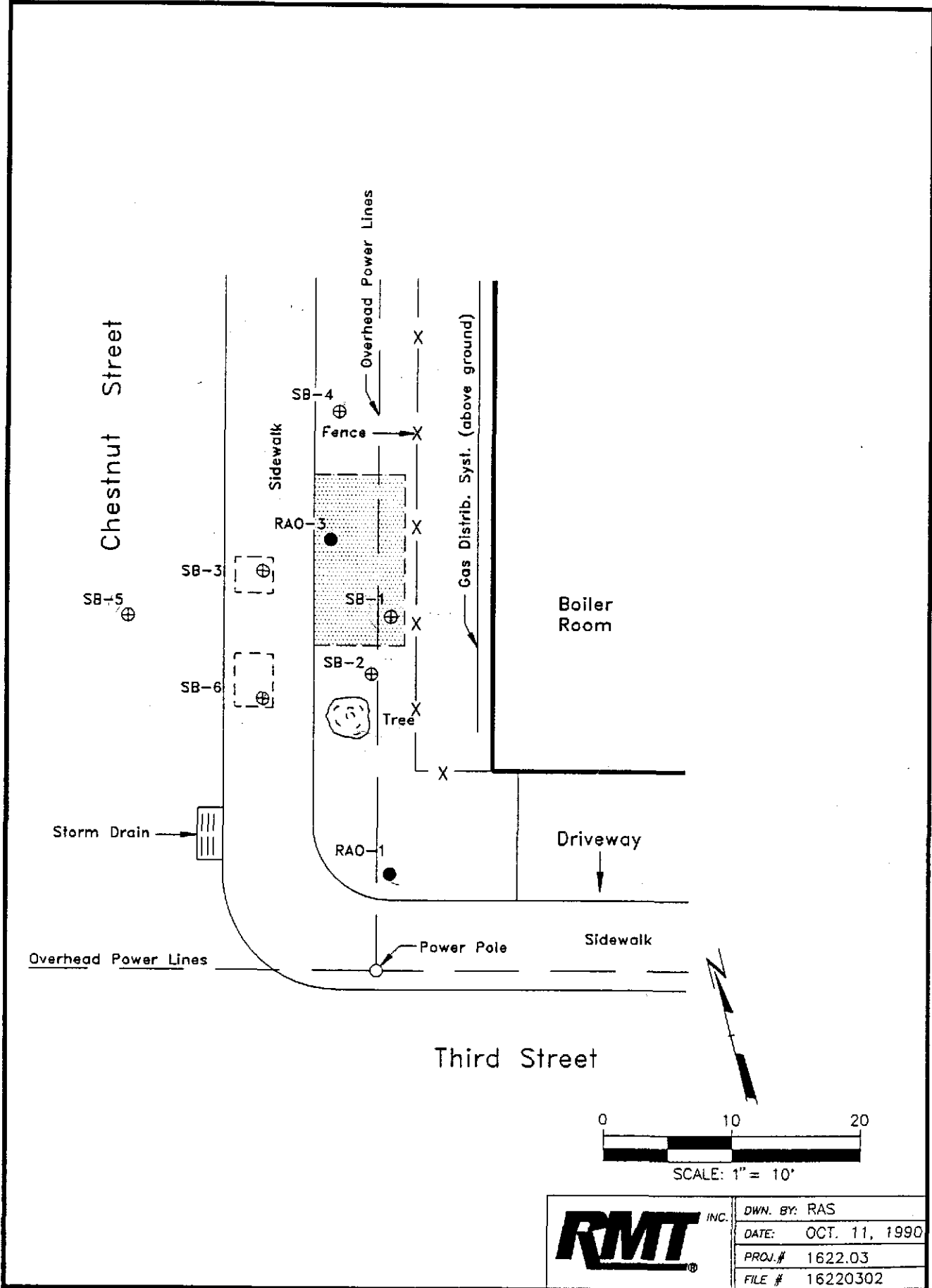
(916) 369-1370

FAX (916) 369-8370

*FACSIMILE COVER LETTER*

Page 10 of 10

Printed by JDC (916) 369-1370



<b>RMT</b> INC.	DWN. BY: RAS
	DATE: OCT. 11, 1990
	PROJ.# 1622.03
	FILE # 16220302

LABORATORY CHEMICAL ANALYSES RESULTS SUMMARY													
MATRIX :													
Soil	X												
Water													
TEST			SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-4	SB-5	SB-5
			6.5 #3	8.0 #2	8.0 #3	9.5 #2	6.5 #2	8.0 #2	6.5 #3	8.0 #3	9.5 #3	6.5 #2	8.0 #3
		Sample Depth	7.0'-7.5'	8.5'-9.0'	9.0'-9.5'	10.0'-10.5'	7.0'-7.5'	8.5'-9.0'	7.5'-8.0	9.0'-9.5'	10.5'-11.0'	7.0'-7.5'	9.0'-9.5'
PID Rdngs (ppm)			9	18	> 1248	> 1248	671	392	58	1248	> 1248	n.d.	2
		DETECT											
		PREP											
		LIMIT											
<b>8015M</b>													
Jet-fuel	NA	NA	-	-	-	-	-	-	-	-	-	-	-
Gasoline	NA	NA	-	-	-	-	-	-	-	-	-	-	-
Diesel		1 mg/Kg	89	41,000	9,900	2,600	4,400	4,600	11	1,200	290	< 1	< 1
		LOG	1.94939	4.61278	3.99564	3.41497	3.64345	3.66276	1.04139	3.07918	2.4624	0	0
<b>8020</b>													
		Benzene	5 µg/Kg	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
		Toluene	5 µg/Kg	< 5	763	292	300	388	159	< 5	285	< 5	< 5
		Ethylbenzene	5 µg/Kg	< 5	2,560	906	596	1,110	< 5	< 5	953	17	< 5
		Xylenes (total)	15 µg/Kg	< 15	4,430	1,120	1,060	1,600	319	< 15	1,170	< 15	< 15
		TOTAL AVOC		0	7,753	2,318	1,956	3,098	478	0	2,408	17	0
		LOG Total		0	3.88947	3.36511	3.29137	3.49108	2.67943	0	3.38166	1.233	0
<b>8240</b>													
		NA											

<u>SB-6</u>	<u>SB-6</u>
6.5 #2	8.0 #2
<u>7.0'-7.5'</u>	<u>8.5'-9.0'</u>
12	19
-	-
-	-
1.1	1.3
0.04139	0.11394
< 5	< 5
< 5	< 5
< 5	< 5
< 15	< 15
0	0
0	0



white -env.health  
 yellow -facility  
 pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200  
 Oakland, CA 94621  
 (415) 271-4320

## Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name southern Pacific Property Today's Date 2/15/98  
 Site Address 545 + Kirkham (3rd St) EPA ID# \_\_\_\_\_  
 City Oakland Zip 94607 Phone \_\_\_\_\_

MAX Amt. Stored > 500lbs/55g/200cf?  Y  N  
 Hazardous Waste generated per month?  
 \_\_\_\_\_

**Inspection Categories:**

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

**I.A. GENERATOR (Title 22)**

- |                   |  |         |
|-------------------|--|---------|
|                   | <input type="checkbox"/> 1. Waste ID                 | 66471   |
|                   | <input type="checkbox"/> 2. EPA ID                   | 66472   |
|                   | <input type="checkbox"/> 3. > 90 days                | 66508   |
|                   | <input type="checkbox"/> 4. Label dates              | 66508   |
|                   | <input type="checkbox"/> 5. Biennial                 | 66493   |
| Manifest          | <input type="checkbox"/> 6. Records                  | 66492   |
|                   | <input type="checkbox"/> 7. Correct                  | 66484   |
|                   | <input type="checkbox"/> 8. Copy sent                | 66492   |
|                   | <input type="checkbox"/> 9. Exception                | 66484   |
|                   | <input type="checkbox"/> 10. Copies Rec'd            | 66492   |
| Misc.             | <input type="checkbox"/> 11. Treatment               | 66371   |
|                   | <input type="checkbox"/> 12. On-site Disp. (H.S.&C.) | 26189.5 |
|                   | <input type="checkbox"/> 13. Ex Haz. Waste           | 66570   |
| Prevention        | <input type="checkbox"/> 14. Communications          | 67121   |
|                   | <input type="checkbox"/> 15. Aisle Space             | 67124   |
|                   | <input type="checkbox"/> 16. Local Authority         | 67126   |
|                   | <input type="checkbox"/> 17. Maintenance             | 67120   |
| Contin. gency     | <input type="checkbox"/> 18. Training                | 67105   |
|                   | <input type="checkbox"/> 19. Prepared                | 67140   |
|                   | <input type="checkbox"/> 20. Name List               | 67141   |
|                   | <input type="checkbox"/> 21. Copies                  | 67141   |
|                   | <input type="checkbox"/> 22. Emg. Coord. Trng.       | 67144   |
| Containers, Tanks | <input type="checkbox"/> 23. Condition               | 67241   |
|                   | <input type="checkbox"/> 24. Compatibility           | 67242   |
|                   | <input type="checkbox"/> 25. Maintenance             | 67243   |
|                   | <input type="checkbox"/> 26. Inspection              | 67244   |
|                   | <input type="checkbox"/> 27. Buffer Zone             | 67246   |
|                   | <input type="checkbox"/> 28. Tank Inspection         | 67259   |
|                   | <input type="checkbox"/> 29. Containment             | 67245   |
|                   | <input type="checkbox"/> 30. Safe Storage            | 67261   |
|                   | <input type="checkbox"/> 31. Freeboard               | 67257   |

**Comments:**

samples collected from the tank 2  
 1 soil, 1 water  
 soil sample collected at 2'

4) 1000 gal waste oil tank, large rupture  
 in upper side resulted during uncovering  
 H2O in excavation seems to be from a rupture  
 sewer line leading in from street at a height  
 above the tank

No obvious holes in tank  
 1 soil sample collected at 3'

0830 - 0945

1 55 gallon drum at waste oil and refuse  
 lidless on site, stained concrete around  
 drum leading to a drain containing waste  
 oil.

**I.B. TRANSPORTER (Title 22)**

- |          |  |       |
|----------|--|-------|
|          | <input type="checkbox"/> 32. Applic./Insurance     | 66428 |
|          | <input type="checkbox"/> 33. Comp. Cert./CHP Insp. | 66448 |
|          | <input type="checkbox"/> 34. Containers            | 66465 |
| Manifest | <input type="checkbox"/> 35. Vehicles              | 66465 |
|          | <input type="checkbox"/> 36. EPA ID #s             | 66531 |
|          | <input type="checkbox"/> 37. Correct               | 66541 |
|          | <input type="checkbox"/> 38. HW Delivery           | 66543 |
|          | <input type="checkbox"/> 39. Records               | 66544 |
| Cont'ra  | <input type="checkbox"/> 40. Name/ Covers          | 66545 |
|          | <input type="checkbox"/> 41. Recyclables           | 66800 |

Rev 6/88

Contact: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Inspector: \_\_\_\_\_

Signature: [Signature]

white -env.health  
 yellow -facility  
 pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200  
 Oakland, CA 94621  
 (415) 271-4320

## Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name Southern Pacific Today's Date 2/14/90  
 Site Address 5th + Kirkham (along 3rd St) EPA ID# \_\_\_\_\_  
 City Oakland Zip 94607 Phone \_\_\_\_\_

MAX Amt. Stored > 500lbs/55g/200cf?  Y  N  
 Hazardous Waste generated per month? \_\_\_\_\_

**Inspection Categories:**

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

**I.A. GENERATOR (Title 22)**

- |                   |  |         |
|-------------------|--|---------|
|                   | <input type="checkbox"/> 1. Waste ID                 | 66471   |
|                   | <input type="checkbox"/> 2. EPA ID                   | 66472   |
|                   | <input type="checkbox"/> 3. > 90 days                | 66508   |
|                   | <input type="checkbox"/> 4. Label dates              | 66508   |
|                   | <input type="checkbox"/> 5. Biennial                 | 66493   |
| Manifest          | <input type="checkbox"/> 6. Records                  | 66492   |
|                   | <input type="checkbox"/> 7. Correct                  | 66484   |
|                   | <input type="checkbox"/> 8. Copy sent                | 66492   |
|                   | <input type="checkbox"/> 9. Exception                | 66484   |
|                   | <input type="checkbox"/> 10. Copies Rec'd            | 66492   |
| Misc.             | <input type="checkbox"/> 11. Treatment               | 66371   |
|                   | <input type="checkbox"/> 12. On-site Disp. (H.S.&C.) | 26189.5 |
|                   | <input type="checkbox"/> 13. Ex Haz. Waste           | 66570   |
| Prevention        | <input type="checkbox"/> 14. Communications          | 67121   |
|                   | <input type="checkbox"/> 15. Aisle Space             | 67124   |
|                   | <input type="checkbox"/> 16. Local Authority         | 67126   |
|                   | <input type="checkbox"/> 17. Maintenance             | 67120   |
|                   | <input type="checkbox"/> 18. Training                | 67105   |
| Confin. Gency     | <input type="checkbox"/> 19. Prepared                | 67140   |
|                   | <input type="checkbox"/> 20. Name List               | 67141   |
|                   | <input type="checkbox"/> 21. Copies                  | 67141   |
|                   | <input type="checkbox"/> 22. Emg. Coord. Tmg.        | 67144   |
| Containers, Tanks | <input type="checkbox"/> 23. Condition               | 67241   |
|                   | <input type="checkbox"/> 24. Compatibility           | 67242   |
|                   | <input type="checkbox"/> 25. Maintenance             | 67243   |
|                   | <input type="checkbox"/> 26. Inspection              | 67244   |
|                   | <input type="checkbox"/> 27. Buffer Zone             | 67246   |
|                   | <input type="checkbox"/> 28. Tank Inspection         | 67259   |
|                   | <input type="checkbox"/> 29. Containment             | 67245   |
|                   | <input type="checkbox"/> 30. Safe Storage            | 67261   |
|                   | <input type="checkbox"/> 31. Freeboard               | 67257   |

**Comments:**

observed removal of 4 UGT's

1) 10,000 gal diesel, H<sub>2</sub>O in excavation  
 no obvious holes in tanks  
 2 soil samples collected from either end of tank at 7', one water sample

2) 500 gal waste oil, H<sub>2</sub>O in excavation  
 to be sampled 2/15 0830

3) 1200 gal waste oil, no H<sub>2</sub>O  
 1 soil sample collected on south end  
 no obvious holes in tank.

Tank 4 to be removed and sampled  
 with Tank 2 pit on 2/15

1200-1500

**I.B. TRANSPORTER (Title 22)**

- |           |  |       |
|-----------|--|-------|
|           | <input type="checkbox"/> 32. Applic./Insurance     | 66428 |
|           | <input type="checkbox"/> 33. Comp. Cert./CHP Insp. | 66448 |
|           | <input type="checkbox"/> 34. Containers            | 66465 |
| Manifest  | <input type="checkbox"/> 35. Vehicles              | 66465 |
|           | <input type="checkbox"/> 36. EPA ID #s             | 66531 |
|           | <input type="checkbox"/> 37. Correct               | 66541 |
|           | <input type="checkbox"/> 38. HW Delivery           | 66543 |
|           | <input type="checkbox"/> 39. Records               | 66544 |
| Confin'te | <input type="checkbox"/> 40. Name/ Covers          | 66545 |
|           | <input type="checkbox"/> 41. Recyclables           | 66800 |

Contact: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Inspector: \_\_\_\_\_

Signature: [Signature]



# CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)  
1/18/90

PRODUCER **JDI14L.LP/1**

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

**Alexander & Alexander of California,  
Two Embarcadero Center  
P. O. Box 3803  
San Francisco, CA 94119  
Phone: (415) 296-1300**

## COMPANIES AFFORDING COVERAGE

COMPANY	STATE	COVERAGE
A	Pennsylvania	Liability Ins.

INSURED  
**Jim Dobbas  
P. O. Box  
New...**

CO	LTS	DESCRIPTION	LIMITS	
			PER ACCIDENT	AGGREGATE
A		...	\$	\$
B	X	AUTOMOBILE...	\$1,000,	\$
C	X	EXCESS...	\$4,000,	
D		WORKERS' COMPENSATION...		
		OTHER		

DESCRIPTION OF SPECIAL OTHER COVERAGE...

**CERTIFICATE HOLDER**  
**SP Environmental Systems, Inc.**  
**9719 Lincoln Village Drive**  
**Sacramento, CA 95827**  
**Attn: Wahn Carey**

...BEFORE THE EX...  
...WILL ENDEAVOR TO...  
...HOLDER NAMED TO THE...  
...OR LIABILITY...  
...REPRESENTATIVES...  
...days... payment of premium  
*[Signature]*  
Alexander & Alexander of California, Inc.

**ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 HAZARDOUS MATERIALS DIVISION  
 80 SWAN WAY, ROOM 200  
 OAKLAND, CA 94621  
 PHONE NO. 415/271-4320**

Project # U565615  
 Fee Paid \$831.  
 Date 1/2/90

ACCEPTED  
 1/3/90  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 470 - 27th Street Third Floor  
 Oakland, CA 94612  
 Telephone (415) 271-7227

These plans have been reviewed and found to be acceptable and consistent with the requirements of State and local health laws. Changes to your plans indicated by this Department are for minor corrections with State and local health laws. The project proposed is in compliance with all laws of any state or local jurisdiction for construction. One copy of these approved plans will be on file in the Department of Environmental Health and one copy will be on file in all other laws and ordinances involved with the permit.

Any changes or alterations of these plans and specifications must be approved by this Department and to the Fire Department and to the Department of Public Health. All changes must be the responsibility of the applicant and must be submitted at least 48 hours prior to the date the permit is required.

\_\_\_\_\_ Sanitation  
 \_\_\_\_\_ Removal of Tank and Filling  
 \_\_\_\_\_ Sanitation  
 \_\_\_\_\_ Final Inspection

REPORT OF A PERMIT TO OPERATE IS DEPENDENT ON COMPLIANCE WITH ACCEPTED PLANS AND IS NOT VALID FOR ANY OTHER PURPOSES.

THIS IS A PERMIT TO OPERATE AND NOT A GUARANTEE OF THE QUALITY OF THE WORK.

**UNDERGROUND TANK CLOSURE/MODIFICATION PLANS**

- Business Name \_\_\_\_\_  
 Business Owner Southern Pacific Transportation Company
- Site Address 5th and Kirkham  
 City Oakland Zip 94607 Phone \_\_\_\_\_
- Mailing Address One Market Plaza  
 City San Francisco CA Zip 95105 Phone 415-541-1495
- Land Owner Same  
 Address \_\_\_\_\_ City, State \_\_\_\_\_ Zip \_\_\_\_\_
- EPA I.D. No. CAC 000232713 (CAD 000628198)
- Contractor Jim Dobbas Inc.  
 Address P.O. Box 177  
 City Newcastle CA 95658 Phone (916) 885-2839  
 License Type 479128 ID# \_\_\_\_\_
- Consultant SP Environmental Systems Inc.  
 Address 9719 Lincoln Village Drive Suite 310  
 City Sacramento, CA 95827 Phone 916-369-8971

8. Contact Person for Investigation

Name Robert Warner Title Asst Project Manager  
Phone 916-369-8971

9. Total No. of Tanks at facility 4

10. Have permit applications for all tanks been submitted to this office?  
Yes [ ] No [ X ]

Tanks have been recently found

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name H and H Ship Service Co. EPA I.D. No. CAD004771168  
Address 220 China Basin Street  
City San Francisco State CA Zip 94107

b) Rinsate Transporter

Name Same EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

c) Tank Transporter

Name Same EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

d) Tank Disposal Site

Name Same EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

e) Contaminated Soil Transporter

Name Same EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

12. Sample Collector

Name Patricia Curl  
 Company Southern Pacific Environmental Systems Inc.  
 Address 9719 Lincoln Village Drive Suite 310  
 City Sacramento State CA Zip 95827 Phone 916-369-8971

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
550 gallons 500 1000	used oil	soil & water	at fill end of tank for soil and if present for water
10,000 gallons	diesel		

14. Have tanks or pipes leaked in the past? Yes [ ] No []

If yes, describe. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

15. NFPA methods used for rendering tank inert? Yes [] No [ ]

If yes, describe. Empty tank, pump air through a diffused-air blower at low pressure (not to exceed 5 psi in tank). Vent 12 feet above grade.

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Central Coast Analytical Lab  
 Address 141 Suburban Road  
 City San Luis Obispo State CA Zip 93401  
 State Certification No. 131

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Waste oil VOC	EPA 8240 or 8010	GC/MS
TPH BTX+E	EPA 8240 or 8020	
Total oil & grease	EPA 3550 (Sonic Horn Extraction) and standard method 503E	IR
TPH-G	GC FID 5030	
TPH-D	GC FID 3550	
PCB, PCP, PNA, creosote	8270	
Cd, Cr(VI), Pb, Zn	AA	
Diesel TPH-D BTX+E	GC FID 3550 8020 or 8240	

18. Submit Site Safety Plan: Attached

19. Workman's Compensation: Yes [X] No [ ]

Copy of Certificate enclosed? Yes [X] No [ ]

Name of Insurer Home Insurance Companies

20. Plot Plan submitted? Yes [X] No [ ]

21. Deposit enclosed? Yes [X] No [ ]

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Signature of Site Owner or Operator

Name (please type) Robert P. Warner

Signature For SPEVS: Robert Warner

Date 12/27/89





**SOUTHERN PACIFIC  
SOUTH AND KIRKHAM STREET SITE**

**OAKLAND WEST, CALIF.**  
N3745-W12215/7.5

1959  
PHOTOREVISED 1980  
DMA 1559 IV SE-SERIES V895

SCALE 1:24000

FIFTH ST.

N

FREIGHT STATION

CHESTER ST.

CENTER ST.

CYPRESS ST.

KIRKHAM ST.

THIRD ST.

SPTCo PROPERTY BOUNDARY  
Used Oil 1000 gal

Used Oil 500 gal

Diesel 10,000 gal

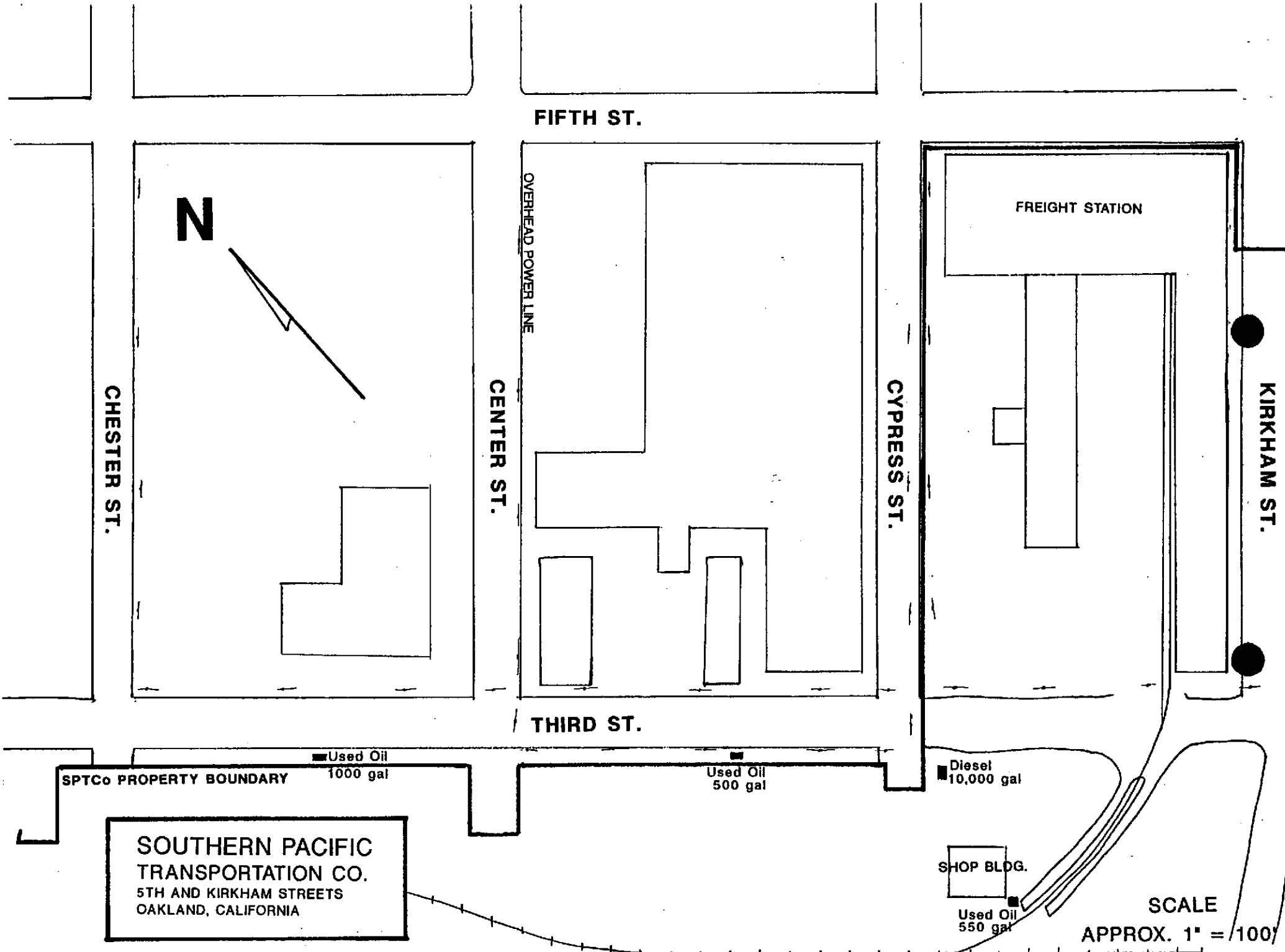
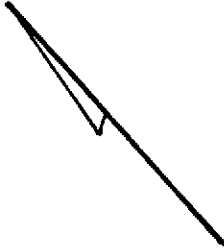
SOUTHERN PACIFIC  
TRANSPORTATION CO.  
5TH AND KIRKHAM STREETS  
OAKLAND, CALIFORNIA

SHOP BLDG.

Used Oil 550 gal

SCALE  
APPROX. 1" = 100'

OVERHEAD POWER LINE



SOUTHERN PACIFIC TRANSPORTATION COMPANY  
5th and Kirkham Streets  
Oakland California

HEALTH AND SAFETY PLAN

1. INTRODUCTION

This section outlines the health and safety measures to be instituted for the field activities for the underground storage tank removal. These measures may be upgraded for the implementation of investigation and remedial activities if deemed necessary. Other changes may be needed to meet field conditions. The field supervisor will be responsible for monitoring safety procedures and modifying specific requirements as needed.

2. KEY PERSONNEL

The specific job functions and associated work to be performed at the site have been listed as follows:

1. Field Supervisor: The SP Environmental Systems, Inc. representative will be responsible for directing and supervising the tank removal, conduct soil sampling, and see that health and safety requirements are met.
2. Backhoe Operator: This worker will excavate and remove the tank, and backfill and compact the area as required.
3. Laborer: This worker will assist the backhoe operator in tank removal and site restoration.
4. Truck Drivers: These workers will transport waste materials to an appropriate disposal facility.

3. JOB HAZARDS

There are two primary hazards associated with these field activities:

1. Chemical hazards from remaining product or from vapors in the tank(s) and from contaminated soils and ground water.
2. Physical hazards from working around heavy machinery and construction areas.

The tanks located at 5th and Kirkham Streets in Oakland contained used oil and diesel fuel. The most hazardous chemicals associated with fuel are Benzene, Toluene, Ethyl Benzene and Xylene. The volatility of fuel products presents a potential exposure by

inhalation. Possible direct contact with contaminated soils or product residues in the tanks are a potential skin exposure route.

The primary physical hazards during a field program are from working near heavy equipment. Hard hats and steel-toed boots will be required for all personnel working around such equipment.

#### 4. GENERAL SAFE WORK PRACTICES

All work should be planned well in advance. The work place needs to be prepared before any work begins. The first task to be done to insure safety is to eliminate all potential sources of ignition before heavy equipment is used to handle the tank, or used in the vicinity of the tank. Ways to do this are:

1. Ban smoking in the area.
2. Use only non-sparking tools.
3. Remove electrical and internal combustion equipment unless designed to be explosion-proof.
4. Minimize static electricity; bond or ground equipment and vehicles.

#### 5. SAFE TANK HANDLING PROCEDURES

When the piping is disconnected and the product in the lines drained, precautions will be taken to avoid spillage. The piping will be capped or removed.

A vacuum truck will be used to remove any remaining product. The area of operation will be maintained vapor free and the truck will be located upwind from the tank.

The tank will be purged to replace or dilute the flammable vapors in the tank with air. This will be done by blowing air into the tank as low as possible and at an air pressure not to exceed 5 psi, so as not to rupture the tank. Exhaust fumes will be vented at a minimum height of 12 feet above grade.

#### 6. DIRECT CONTACT EXPOSURE

Direct contact with the skin could potentially occur through handling of contaminated soil during the excavation and removal operations and through soil sampling.

The exposure potential by direct contact is considered low for the following reasons:

1. Tanks and contaminated materials will be handled by a

backhoe reducing direct contact.

2. Protective clothing will be worn where workers are exposed to soil, water and tanks.
3. Operations do not involve uncontrolled releases of waste materials, soils or ground water.
4. Workers on site are skilled in excavating, sampling, and decontamination work.

## 7. INHALATION EXPOSURE

A potential exposure by inhalation would be caused by volatilization from contaminated soil during removal, excavation, and handling or from the removal of product and wash water during tank purging and cleaning.

The exposure potential of volatile compounds by inhalation is considered low for the following reasons:

1. Tanks are closed containers and do not allow significant volatilization to occur.
2. Half-face respirators will be maintained on-site to protect against inhalation exposure if necessary.
3. A photo-ionization device to measure total organic vapors will be used to monitor ambient air conditions during all field activities.

## 8. PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment will be worn by all personnel in the active area.

When there is a potential for skin contact with hazardous materials, a one-piece, front-zipped, Tyvek suit will be worn to protect against skin exposure. These coveralls will provide adequate short term protection and will be disposed of after each use and when torn or otherwise damaged.

Hard hats and steel-toed boots will be worn at all times on the property. Latex or Neoprene gloves will be worn by all personnel when handling any contaminated soil, water or material as when sampling.

## 9. WORK ZONE DESIGNATIONS

Active work zones will be marked with temporary barriers and plastic tape. Only authorized personnel will be allowed in the

active work zones. Any personnel entering into a work zone will be required to have the appropriate personal protective equipment as described previously. "NO SMOKING" signs will be displayed and fire extinguishers will be maintained in the work area.

#### 10. DECONTAMINATION PROCEDURES

All excavation and sampling equipment will be decontaminated before being reused or removed from the site. The excavation equipment will be cleaned with a high-pressure steam cleaner. All sampling equipment and gloves will be scrubbed with a brush and soapy water and rinsed with clean distilled water. Disposable protective gear will be placed in plastic garbage bags for proper disposal.

Direct contact with ground water and soils during excavation activities will be avoided; but, if such contact occurs, the following procedures will be used:

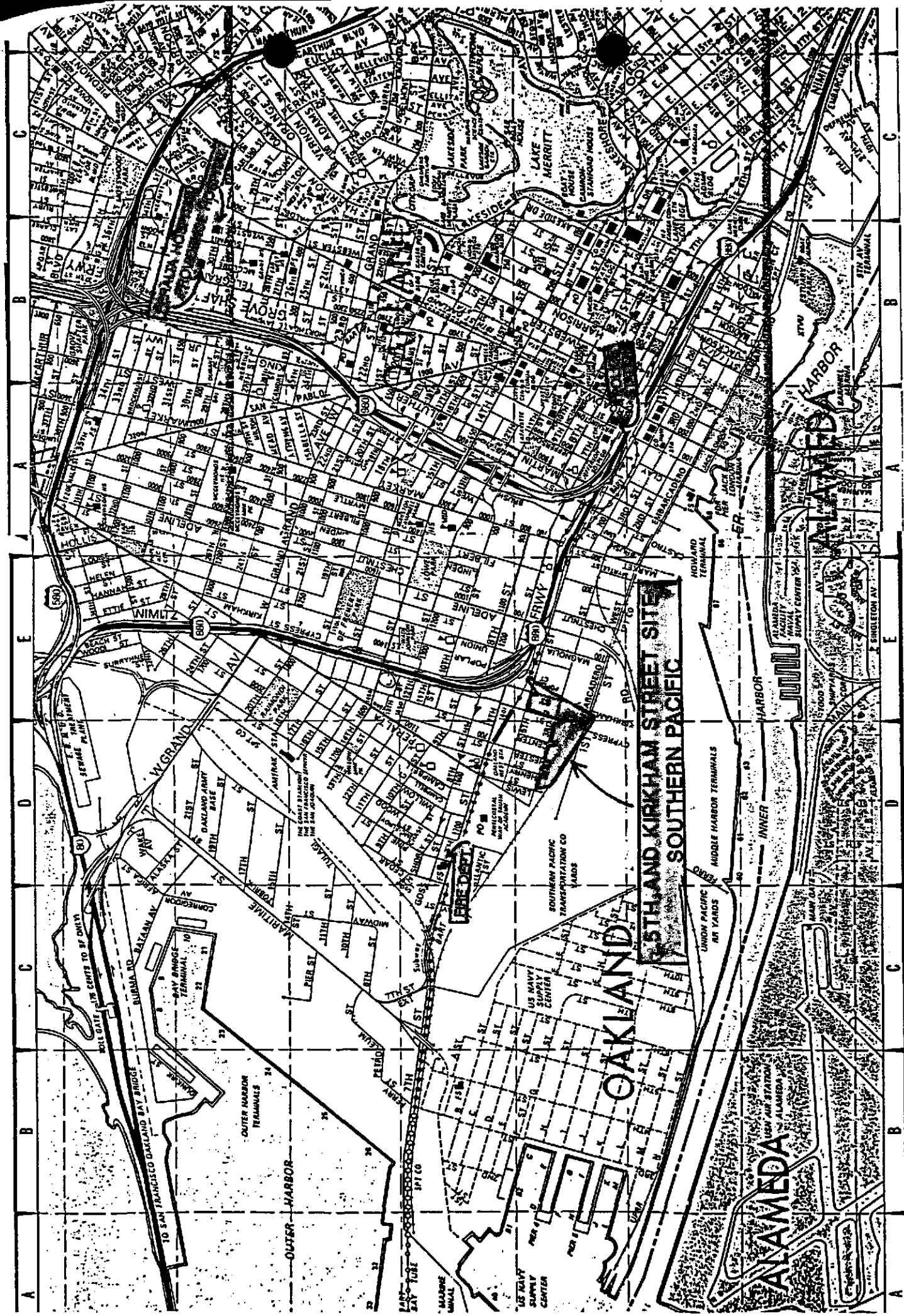
1. Remove necessary protective clothing
2. Wash the affected area with soapy water
3. Rinse with clean water.
4. Wash and rinse nondisposable protective equipment.
5. Don new protective clothing and clean equipment, as appropriate.

#### 11. EMERGENCY INFORMATION

Before starting work, emergency information will be made available to all personnel on site and will be located in strategic positions at the jobsite. This information is as follows:

Fire Department:	727 Pine street 415-444-3322 ext 3 Emergency dial 911
Police Station:	Broadway at 6th St. Emergency dial 911
Peralta Hosp.:	Telegraph Ave. at 30th St. 415-451-4900
Providence Hosp.:	Webster St. at 30th St. 415-874-8012

A map showing these locations and that of the site is attached and will be posted with the above information at the jobsite.



**5TH AND KIRKHAM STREET SITE  
SOUTHERN PACIFIC**

**OAKLAND**

**ALAMEDA**

SCALE 1" = 2200'



## DIVISION OF LABOR STANDARDS ENFORCEMENT

## REPORT ON WORKERS' COMPENSATION INSURANCE

NOTE: Please disregard this form if you are a Federal or State agency or any of its political subdivisions; or a welfare recipient receiving In-Home Supportive Services (IHSS).

365-3787-6 59 893

S P ENVIRONMENTAL SYSTEMS INC  
9719 LINCOLN VILLAGE SR SU 310  
SACRAMENTO CA 95827

## OFFICIAL NOTICE

State Labor Code Section 3711 requires you to furnish the information requested below. FAILURE TO COMPLETE AND RETURN THIS FORM WITHIN 10 DAYS MAY SUBJECT YOU TO A \$50 PENALTY.

This is to inform you, as an employer, that if you have one or more, full-time or part-time employees, you must be insured for Workers' Compensation.

Please read the requirements of the California law on the reverse side of this form. Then complete the information requested herein, and return this form within 10 days to the office of the Labor Commissioner, using the enclosed envelope.


NAME OF EMPLOYER <u>SP Environmental Systems, Inc.</u>		NO. OF EMPLOYEES <u>Ten</u>
TYPE OF BUSINESS (Retail, restaurant, insurance, etc.) <u>Consulting</u>		TELEPHONE NO. (Area Code & No.) <u>(916) 369-8971</u>
ADDRESS OF BUSINESS (Give California location if Main Office is out of state) <u>9719 Lincoln Village Drive, Suite 310 Sacramento, CA 95827</u>		
NAME OF WORKERS' COMPENSATION INSURANCE CARRIER <u>The Home Insurance Companies</u>		POLICY NO. <u>PWC K 986059</u>
NAME AND ADDRESS OF INSURANCE AGENT OR BROKER (If any) <u>Jardine, Everett, Chandler 11835 W. Olympic Blvd., Los Angeles, CA 90064</u>		
NAME OF INSURED EMPLOYER (As shown on Policy) <u>Southern Pacific Transportation Company</u>		PERIOD COVERED From <u>10/13/89</u> To <u>10/13/90</u>
Are there persons working for you who are specifically exempt from coverage? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		If YES, please fill in below:
(NOTE: Spouses and relatives are NOT exempt.)		

CATEGORIES OF EXEMPTED EMPLOYEES	REASONS FOR EXEMPTION

REASON FOR NONINSURANCE (Such as No employees, Out of business, Covered by Federal law, etc.)

I HEREBY CERTIFY THE ABOVE TO BE CORRECT

NAME AND SIGNATURE OF OWNER, OR PARTNER, OR CORPORATE OR ASSOCIATION OFFICER

X   
TITLE President DATE 10/25/89