August 5, 1996 STID 3706 page 1 of 2 Alameda County Environmental Health Div. Mail Code: 430-4580 Environmental Protection Services 1131 Harbor Bay Parkway, Room 250 Alameda CA 94502-6577

REMEDIAL ACTION COMPLETION CERTIFICATION

Attn: Greg Shepherd Southern Pacific Transportation Co. One Market Plaza, Room 1007 San Francisco CA 94105

RE: Former Southern Pacific Transportation Co. Site, Automotive and Work Equipment Dept and Systems Shop, 721 Cedar St., Oakland CA 94607

Dear Mr. Shepherd,

This letter confirms the completion of site investigation and remedial action for the 1,500-gallon gasoline underground storage tank (UST) at the above referenced site. Based on the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required at this time. Please be aware that this does not free present or future landowners or operators from cleanup responsibilities in the event that new information indicates a pollutant problem on the site or originating from the site.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations. Attached is a copy of the Case Closure Summary, which was reviewed and approved by this agency and the Regional Water Quality Control Board (RWQCB). If you have any questions regarding this letter, please contact Jennifer Eberle at (510) 567-6700, ext. 6761.

Very truly yours,

Mee Ling Tung, Director

August 5, 1996 STID 3706 page 2 of 2

Attn: Greg Shepherd

cc: Acting Chief, Environmental Protection Division

Kevin Graves, RWQCB

Lori Casias, SWRCB (with attachment)

Dave Deaner, SWRCB, UST Cleanup Fund Program

James Ackerman, Terranext, PO Box 24374, Oakland CA 94623-1374

Carl Taylor, Terranext, 9838 Old Placerville Rd., Suite 100, Sacramento CA 95827-3559

Jennifer Eberle (3 copies)

LOP/Completion je.3706clos.let enclosure (clos sum)

CASE CLOSURE SUMMARY Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Agency name: Alameda County-HazMat

City/State/Zip: Alameda CA 94502

Responsible staff person: Jennifer Eberle

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Date: 5/6/96

Phone: (510) 567-6700

Title: Hazardous Materials Spec.

Address: 1131 Harbor Bay Pky

II. CASE INFORMATION

Site facility name: Southern Pacific Transportation Co. Site, Automotive and Work

Equipment (A&WE) Dept and Systems Shop

Site facility address: 721 Cedar St., Oakland CA 94607

RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 3706

URF filing date: 1/11/88 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:

Attn: Greg Shepherd, Southern Pacific Transportation Co., One Market Plaza, Rm 1007, San

Francisco CA 94105

TankSize inContents:Closed in-placeDate:No:gal.:or removed?:11.500gasolineremovedJan 1988

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown Site characterization complete? YES Date approved by oversight agency: 5/7/96

Monitoring Wells installed? YES Number: 5 (including previously destroyed wells)
Proper screened interval? YES. MW1 was screened 0.5' below the water table (due to the high

water table), while MW2 and MW3 were screened 2' above the water table. But the screening in MW1 may be a moot issue, because this well is cross or upgradient. Information is not available

regarding the well construction of former well A-1.

Highest Groundwater Elevation (GWE): 2.47' MSL (MW2 on 8/10/95)

Lowest GWE: 6.04' MSL (MW1 on 2/7/96)

Flow direction: fluctuates SE to SW; generally flows E-SE, which makes MW2 the downgradient

Most sensitive current use: industrial

Are drinking water wells affected? NO Aquifer name:

Is surface water affected? NO Nearest affected SW name:

Off-site beneficial use impacts (addresses/locations): unknown

Report(s) on file? YES Where is report(s) filed?

Alameda County, 1131 Harbor Bay Pky, Alameda Ca 94502

Treatment and Disposal of Affected Material:

Material Amount Action (Treatment Date (include units) of Disposal w/destination)

Tank 1,500 gal sent to a scrap metal yard January 1988

Piping presumably also sent to a scap metal yard, Jan 1988

Free Product unknown

Soil unknown

Groundwater unknown

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (p Before* A		Water (ppb) Before# After##			
TPH (Gas)		ND	2,500	ND		
TPH (Diesel)	NA	NA	ŇA	NA		
Benzene	220	ND	300	ND		
Toluene	580	ND	480	ND		
Xylene	990	ND	430	ND		
Ethylbenzene	NA	ND	80	ND		
Lead	60.5	NA	NA	ND		

Comments (Depth of Remediation, etc.):

#Before water results are from former well A-1.

##After water results are from the 3 remaining wells, MW1, MW2, and MW3.

^{*}Before soil samples are from the tank pit during tank removal on 1/11/88. See Table 1.

^{**}After soil samples are from the final overexcavation project, conducted on 8/24/95. See Figure 4 and Table 4.

Title: Hazardous Materials Specialist

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES Site management requirements: NA

Should corrective action be reviewed if land use changes? YES Monitoring wells Decommisioned: When we get RWQCB signoff Number Decommisioned: Number Retained:

List enforcement actions taken: none List enforcement actions rescinded: none

Name: Jennifer Eberle //

V. LOCAL AGENCY REPRESENTATIVE DATA

Signature: Where Da	ite: 5 – 16 – 96
Reviewed by	
Name: Amy Leech Titl	e: Hazardous Materials Specialist
Name: Amy Leech Titl Signature: Da	te: 5-120-96
Name: Torq Peacock Titl	e: Manager
Name: Tom Peacock Titl Signature: Imm Racoh Da	te: 5-30-96
VI. RWQCB NOTIFICATION	
Date Submitted to RB: 6-3-9 RWQCB Staff Name: Kevin Graves	6 RB Response: Approved
RWQCB Staff Name: Kevin Graves	1 7
SAVa	re G/14/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

In January 1988, Canonie reportedly removed a 1,500-gallon gasoline UST, which Canonie referred to as Tank B. This project was documented in a Canonie report titled "Final Site Report, UST Removal, Southern Pacific Transportation Co., Oakland CA," dated 6/28/88. This report apparently documented several SP "Oakland" sites, rather each site separately. Portions of this report are included in Alameda County's file; see attachments to Terranext's 5/16/96 transmittal.

According to the Canonie report, two 0.25-inch diameter holes were observed in the bottom of the tank, and "contamination was visible below the tank." Soil samples collected beneath the UST contained up to 5,000 ppm TVPH (TPH-g), 220 ppm benzene, 580 ppm toluene, and 990 ppm xylenes and 60.5 ppm total lead. See Figures 1, 2, 2a, and Table 1. The UST was reportedly cleaned and transported to a scrap metal yard. Hazardous Waste Manifests for removed USTs were not in wide use at the time.

The preceding information was taken from a) page 2 of the report titled "Phase II Soil Investigation, Southern Pacific Transportation Co., 721 Cedar St. Property, Oakland, CA," dated 12/8/92, b) page 3 of the report titled "Soil Remediation and Ground Water Investigation Workplan, Southern Pacific Transportation Co., 721 Cedar St. Property, Oakland, CA," dated 12/27/93, and c) the "Final Site Report, UST Removal," prepared by Canonie, dated 6/28/88, as found attached to Terranext's 5/16/96 transmittal.

Industrial Compliance (IC) performed a Phase II investigation, and presented the results in a report titled "Phase II Investigation, Southern Pacific Transportation Co., Oakland and Desert Yards, Oakland CA," dated 12/19/91. This report was once included in Alameda County's file, but has since disappeared. (See Alameda County's letter dated 4/7/92.) Four exploratory borings were drilled (A-1 through A-4), and boring A-1 was converted into a groundwater monitoring well located in the former UST pit. See Figure 3.

Soil samples were collected from Borings A-1 through A-4. Borings A-2, A-3, and A-4 were ND for TPHg and BTEX. Soil results collected at 5'bgs from boring A-1 indicated 3,400 ppm TVPH as gasoline, 0.77 ppm benzene, 0.35 ppm toluene, 6.5 ppm ethylbenzene, and 37 ppm xylenes. Impacted soil was observed from 1.5'bgs down to the water table at 10.5'bgs. Groundwater samples contained 2,500 ppb TVPH as gasoline, 300 ppb benzene, 480 ppb toluene, 80 ppb ethylbenzene, and 430 ppb xylenes. (See Alameda County's letter dated 4/7/92.) See Table 2.

IC performed a supplemental Phase II investigation in October 1992. Two borings (A-5 and A-6) were drilled beneath the slab in the Systems Shop. See Figure 3. The borings were ND for TPHg, TPHd, and BTEX, except 0.49 ppm toluene in A-5 at 7 bgs. See Table 2.

A meeting ensued on 3/21/94 with IC, Southern Pacific, Alameda County, and Ravi Arulanatham, the staff toxicologist for the RWQCB. Dr. Arulanatham set the soil cleanup and reuse goals as 100 ppm TPHg and 4.6 ppm benzene; the benzene concentration was based on the US EPA's Fourth Quarter 1993 Preliminary Remediation Goals (PRGs). The DTSC is also using the PRGs specific for the Cypress Freeway Re-alignment Project, as per a memo from the State's Office of Scientific Affairs, addressed to Barbara Cook of the DTSC, dated 7/22/93. The PRG range for benzene in soil is listed in this memo as 3.5 to 31 ppm.

Monitoring well A-1 was resampled on 9/6/94 before being abandoned on 9/15/94. Well abandonment was necessary to prepare for soil remediation. Results indicated 16,000 ppb TPHg and 3,400 ppb benzene. See Table 3.

The former UST pit was overexcavated and resampled on 9/21/94, in the presence of Jennifer Eberle from Alameda County. Eight soil samples (samples 1-8) were collected at 6'bgs. The excavation ceased at the edge of the Systems Shop. The analytical results were transmitted in a letter from IC dated 12/14/94. The maximum soil concentrations were as follows: 5,800 ppm TPHg, 51 ppm benzene, 220 ppm toluene, 120 ppm ethylbenzene, and 470 ppm xylenes (SSW-3). See Figure 4 and Table 4. Of the 8 soil samples, six exceeded the soil cleanup goal of 100 ppm TPH, and 2 exceeded the soil cleanup goal of 4.6 ppm benzene. Approximately 700 yd3 of soil were excavated during this phase.

The former UST pit was again overexcavated and resampled on 10/18/94, in the presence of Barney Chan from Alameda County. Nine soil samples (samples 9-17) were collected at 5 and 6'bgs. The analytical results were transmitted in a letter from IC dated 12/14/94. The soil concentrations were ND TPHg and ND BTEX for each sample. See Figure 4 and Table 4. Approximately 800 yd3 of soil were excavated during this phase.

The stockpiled soil was subsequently aerated under AQMD guidelines. The A&WE/Systems Shop was demolished in July and August 1995, in preparation for the I-880 freeway realignment project.

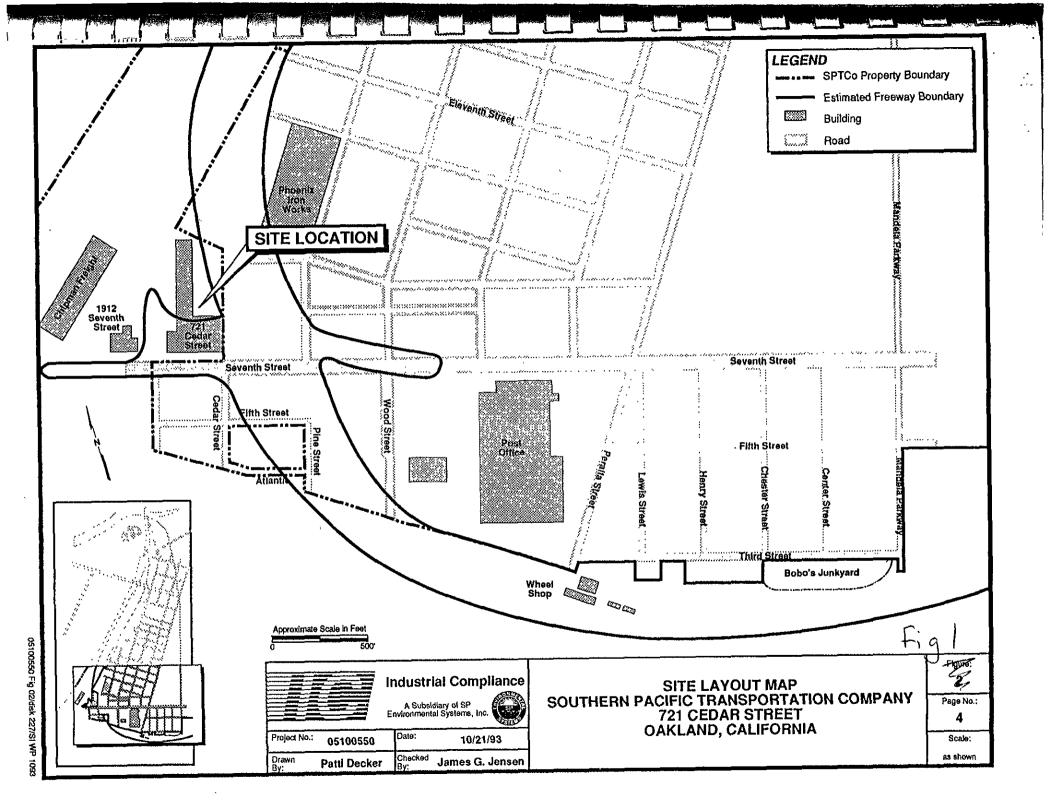
On 8/24/95, Jennifer Eberle of Alameda County was present onsite for soil sampling from an excavation below the recently demolished Systems Shop. Four samples were collected at 6'bgs (SW1 through SW4). The sampling locations of all three excavations are depicted on **Figure 4**. Results indicated ND TPHg and ND in all 4 samples; **See Table 4**. Approximately 200 yd3 of impacted soil were removed.

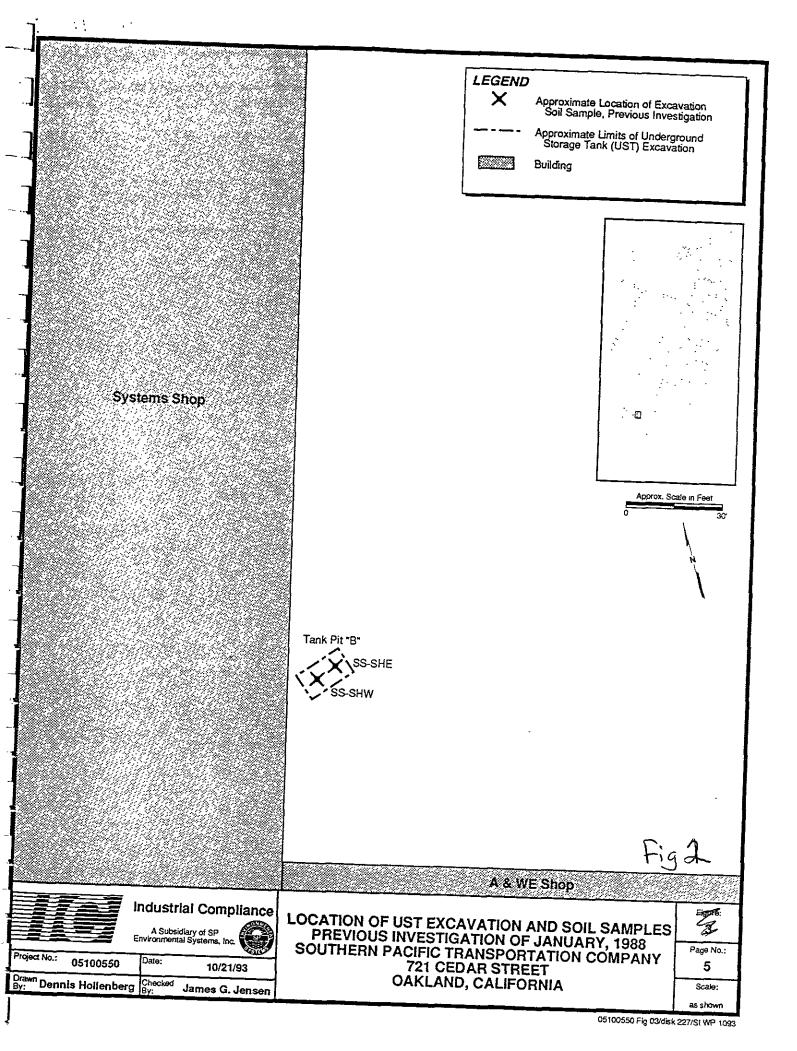
The excavated soil was stockpiled and aerated onsite. Confirmation sampling indicated that TPHg and BTEX are mostly ND, or at very low concentrations. Maximum concentrations were 2.4 ppm TPH and 0.0066 ppm benzene. These concentrations were well below the soil reuse goals of 100 TPH and 4.6 ppm benzene. The soil is presently stored at the SP stockpile area awaiting use a backfill as part of the I-880 freeway realignment project.

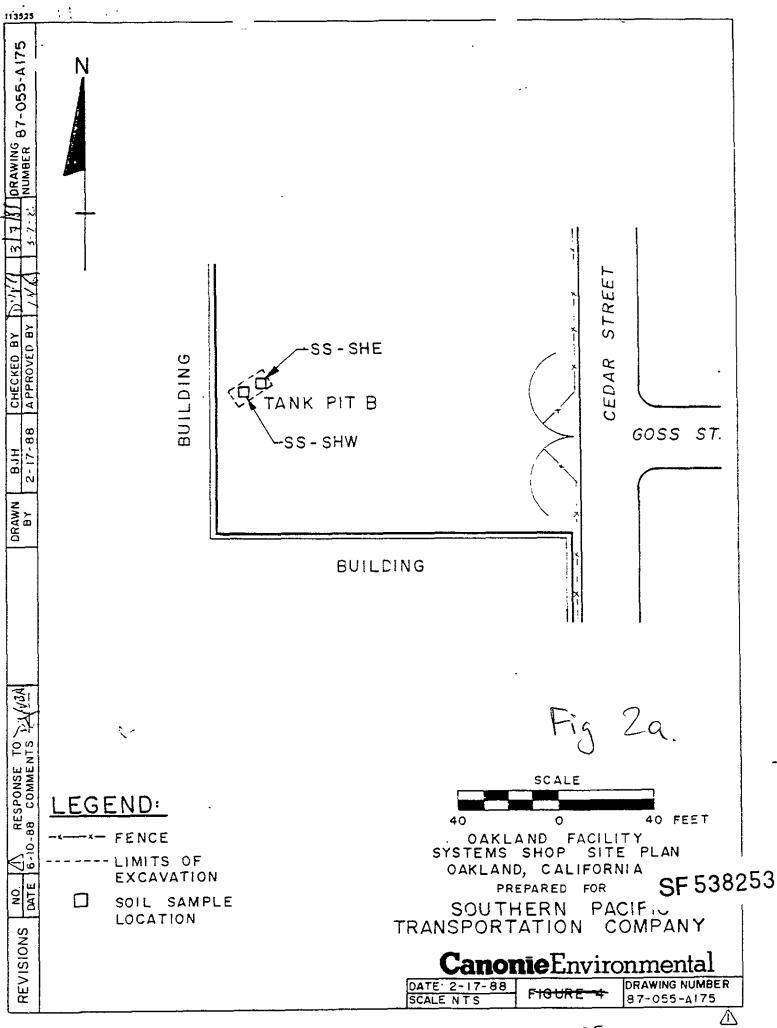
Three groundwater monitoring wells (MW1 through MW3) were installed adjacent to the excavation in March 1995. Soil was analyzed in each boring for total lead (TTLC), due to the elevated concentrations of lead (>10 times the STLC) during tank removal, and the absence of lead sampling from soil overexcavation samples. There was no need to analyze petroleum hydrocarbons since the previous overexcavation removed all detectable traces of contamination. Total lead results were 9.5 ppm, ND, and 6.5 ppm for MW1, MW2, and MW3, respectively. These results are well below ten times the STLC, or 50 ppm. This concentration is used as a guideline for further investigation.

Groundwater flowed SE at 0.007 ft/ft in 5/95, E-SE at 0.020 ft/ft in 8/95, S-SW at 0.002 ft/ft in 11/95, and E-SE at 0.024 ft/ft in 2/96. In general, gw flows E-SE, which makes MW2 the downgradient well. See Figures 5, 6, 7, and 8. Groundwater results indicate ND TPHg, ND BTEX, and ND soluble lead in all three wells (MW1, MW2, and MW3) for ALL four quarters they were sampled. See Table 5. Therefore, there is no groundwater threat to either the environment or to human health.

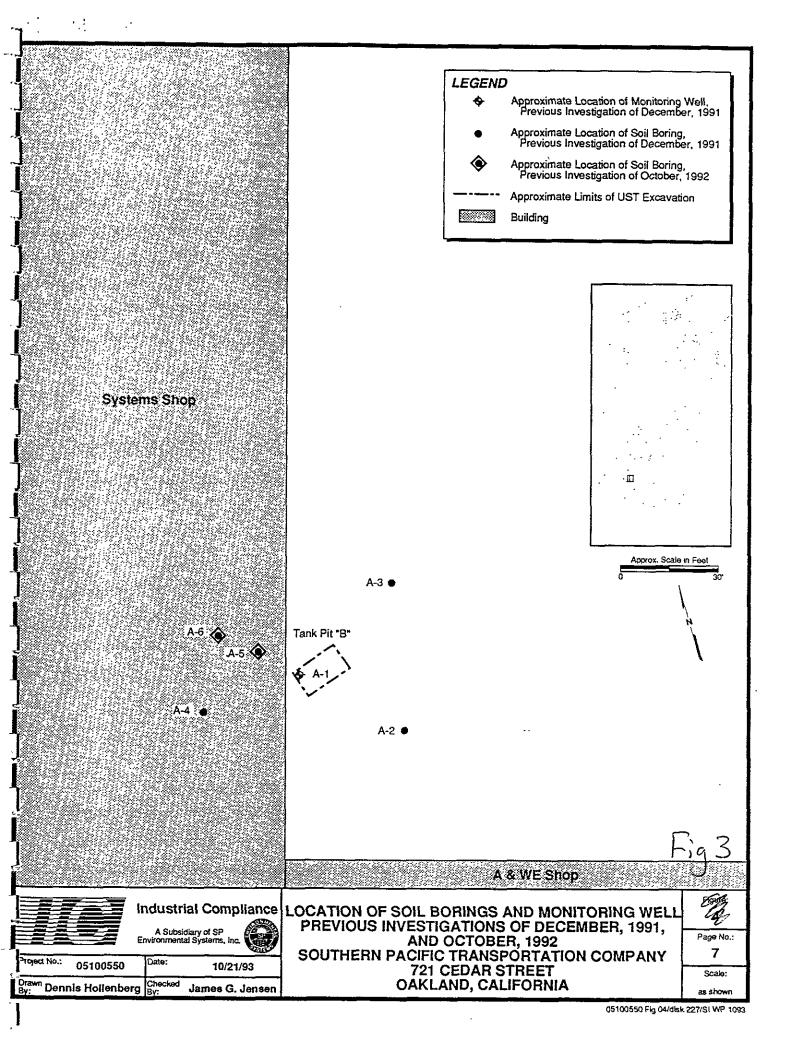
This UST case should be closed because 1) all residual soil contamination has been removed and aerated to acceptable concentrations, 2) groundwater has been ND for all constituents analyzed for four consecutive quarters, 3) there is no human health threat, and 4) there is no environmental threat.

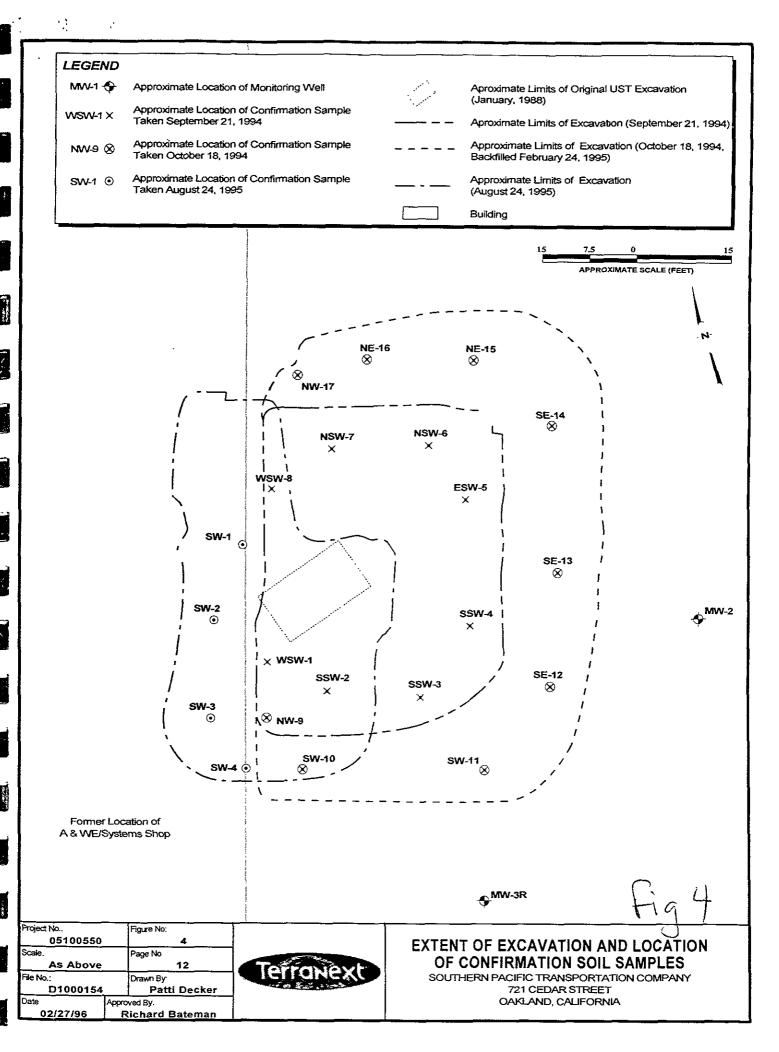






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LEGEND MW-1 Approximate Location of Monitoring Well Ground Water Elevation (in feet above mean sea level) Ground Water Elevation Contour (in feet above mean seal level) (dashed where extrapolated) Approximate Direction of Ground Water Flow Aproximate Limits of Original UST Excavation (January, 1988) Approximate Limits of Remediation Excavation (October, 1994) Building APPROXIMATE SCALE (FEET) MW-1 (4.61)Local Hydraulic Gradient = 0.007 MW-2 (4.15)MW-3R 🚓 (4.23)

Former Location of A & WE/Systems Shop

Project No.:	
	Figure No:
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File No.: D1000149	Drawn By
Date: 02/22/96	Approved By Richard Bateman
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CONTOUR MAP OF GROUND WATER ELEVATION

MAY, 1995 SOUTHERN PACIFIC TRANSPORTATION COMPANY 721 CEDAR STREET OAKLAND, CALIFORNIA

LEGEND MW-1 Approximate Location of Monitoring Well (3.27)Ground Water Elevation (in feet above mean sea level) Ground Water Elevation Contour (in feet above mean seal level) (dashed where extrapolated) Approximate Direction of Ground Water Flow Aproximate Limits of Original UST Excavation (January, 1988) Approximate Limits of Remediation Excavation (October, 1994) Building APPROXIMATE SCALE (FEET) MW-1 (3.27)Local Hydraulic Gradient = 0.020 MW-2 (2.47)MW-3R (3.03)Former Location of A & WE/Systems Shop Figure No Project No.:

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02/22/96

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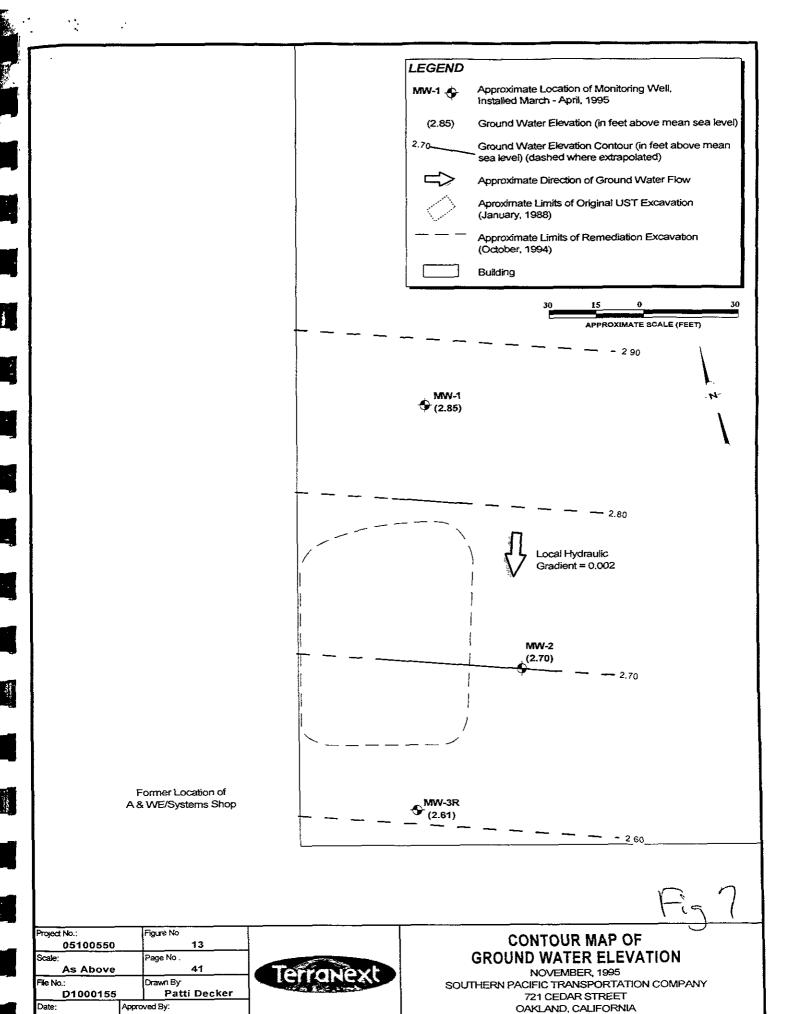
Approved By

Richard Bateman



CONTOUR MAP OF GROUND WATER ELEVATION

AUGUST, 1995 SOUTHERN PACIFIC TRANSPORTATION COMPANY 721 CEDAR STREET OAKLAND, CALIFORNIA



<u>02/20/</u>96

Richard Bateman

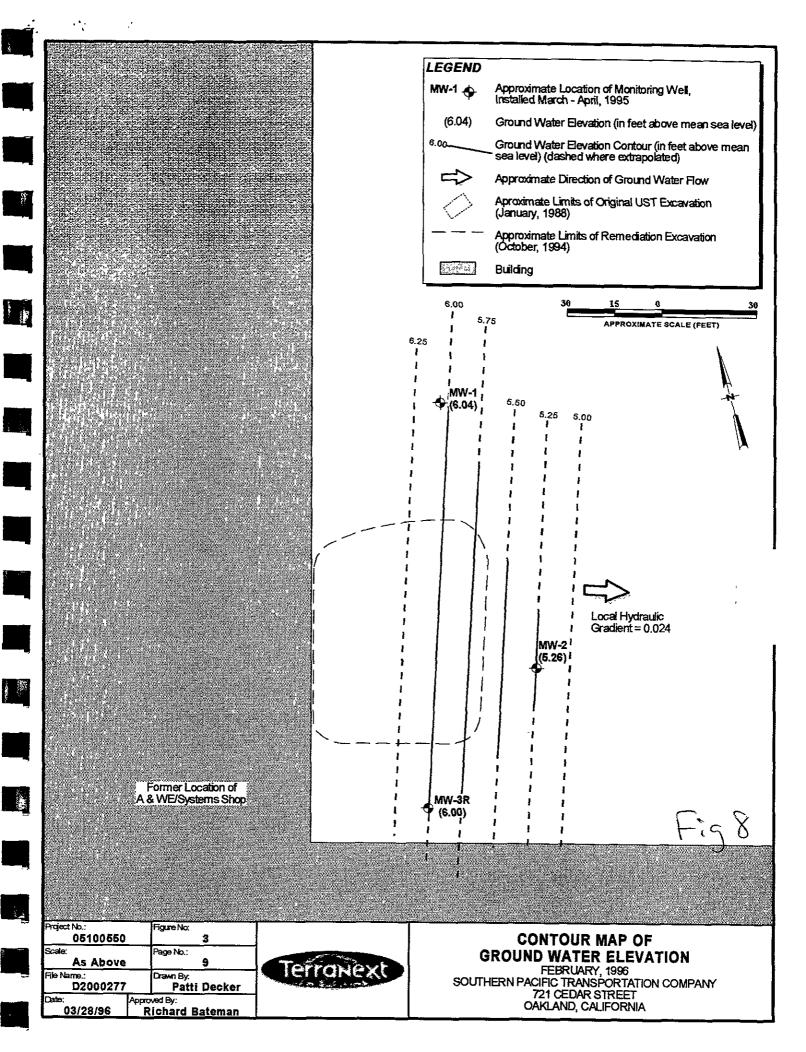


TABLE 1 ANALYTICAL RESULTS TANK B EXCAVATION - SOIL SAMPLES PREVIOUS INVESTIGATION OF JANUARY, 1988

Sample ID ^a	Date Sampled	TVPH ^b (mg/kg)	Benzene ^b (mg/kg)	Toluene ^b (mg/kg)	Xylene ^b (mg/kg)	Total Lead ^c (mg/kg)	Ethylene dibromide ^b (mg/kg)
SS-SHE ^d	01/11/88	400	<20	< 20	110	55.3	<2
SS-SHW ^d	01/11/88	5,000	220 *	580	960	60.5	<20

- a See Figure 3 for approximate sample locations.
- b Total volatile petroleum hydrocarbons (TVPH), benzene, toluene, and xylene analyzed by EPA Method 8020.
- c Total lead analyzed by EPA Method 6010.
- d Soil samples collected from bottom of the excavation.
- Analyte was not detected at or above the method detection limit as listed.
- mg/kg Milligrams per kilogram, approximately equal to parts per million (ppm).

* 4.490 verone. jagéune



TABLE 2 ANALYTICAL RESULTS BOREHOLE SOIL SAMPLES PREVIOUS INVESTIGATIONS OF DECEMBER, 1991 AND OCTOBER, 1992

Soil Boring Date Number ^a Sampled		Sample	Total Petroleum Hydrocarbons ^b (mg/kg)			Volatile Organic Compounds ^b (mg/kg)				Ethylene	1,2-
	Depth (feet)	Gasoline	Diesel	TPHe	Benzene	Toluene	Ethylbenzene	Xylenes	dibromide ^b (mg/kg)	Dichloroethane ^b (mg/kg)	
	10/12/01	5			3,400 ^d	<0.5	<0.5	6.5	37	<0.5	<0.5
A-1	12/13/91	10			3.8e	0.77	0.35	0.090	0.31	0.013	<0.001
A-2	12/13/91	5			<0.1	0.002	0.002	< 0.001	0.002	<0.001	<0.001
A-2	12/13/91	10			<0.1	0.007	< 0.001	0.002	< 0.001	< 0.001	0.081
A-3	12/13/91	5			< 0.1	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
A-2	12/13/91	10			< 0.1	< 0.001	< 0.001	< 0.001	<0.001	< 0.001	<0.001
A-4	12/13/91	5			<0.1	< 0.001	< 0.001	< 0.001	<0.001	< 0.001	<0.001
Aut	12/13/91	10			1.0>	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
	10/10/00	4.5	<0.5	<0.5		< 0.005	< 0.02	< 0.005	<0.005	< 0.005	< 0.005
A-5	10/19/92	7	< 0.5	< 0.5		< 0.005	0.49	< 0.005	<0.005	<0.005	< 0.005
A-6	10/19/92	4.5	<0.5	< 0.5		< 0.005	< 0.02	< 0.005	< 0.005	< 0.005	< 0.005
A-0	10/19/92	7	<0.5	<0.5		<0.005	< 0.02	< 0.005	< 0.005	< 0.005	< 0.005



e TPH in this sample identified as weathered gasoline.

Analyte was not detected at or above the method detection limit as listed.

mg/kg Milligrams per kilogram, approximately equal to parts per million (ppm).



a See Figure 4 for approximate locations of boreholes.

b Analyzed by Cal DHS Draft TPH (modified) and EPA Method 8260.

c Total petroleum hydrocarbons (TPH) (as gasoline, diesel 2, jet fuel, kerosene, Stoddard solvent, and crude oil).

d TPH in this sample identified as light petroleum distillate.

TABLE 3 ANALYTICAL RESULTS GROUND WATER FROM ORIGINAL MONITORING WELL

No. to select		Total Per Hydrocarb			Volatile Organic Compounds ^c (μg/L)				1,2-	Soluble
Monitoring Well ^a	Date Sampled	Gasoline	Diesel	Benzene	Toluene	Ethylbenzene	Xylenes	dibromide ^d (μg/L)	Dichloroethane ^d (μg/L)	Lead ^e (mg/L)
A -1	12/14/91	2,500	< 50	300	480	80	430	<0.5	<0.5	NA
Λ-1	09/06/94	16,000	NA	3,400	430	120	380	NA	NA	< 0.01
Cal DHS	MCLs ^f	NE	NE	1	150	700	1,750	0.05	0.5	0.015 ^g

- a See Figure 3 for approximate location of monitoring well. Monitoring well A-1 was abandoned on September 15, 1995 prior to excavation of impacted soil.
- b December 14, 1991 sample analyzed by EPA Method 8260, September 6, 1994 sample analyzed by EPA Method 8015M
- c December 14, 1991 sample analyzed by EPA Method 8260, September 6, 1994 sample analyzed by EPA Method 8020.
- d Analyzed for as part of EPA Method 8260 (December 14, 1991 sample) and were not constituents of concern.
- e Analyzed by EPA Method 6010.
- f California Department of Health Services (DHS) Maximum Contaminant Levels (MCLs) for drinking water (California RWQCB, July, 1995, Compilation of Water Quality Goals).
- g U.S. Environmental Protection Agency MCL for drinking water (California RWQCB, July, 1995, Compilation of Water Quality Goals).

μg/L Micrograms per liter

mg/L Milligrams per liter

< Symbol indicates constituent not detected above the reporting limit as listed.

NA Not analyzed

NE Not established

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TABLE 4 ANALYTICAL RESULTS CONFIRMATION SOIL SAMPLES

		Sample	Total Petroleum Hydrocarbons	Vo	olatile Organi	ic Compounds ^c (n	ng/kg)
Sample Designation ^a	Date Sampled	Depth (feet bgs)	as Gasoline ^b (mg/kg)	Benzene	Toluene	Ethylbenzene	Xylenes
WSW-1	09/21/94	6.0	860	1.3	13	11	53
SSW-2	09/21/94	6.0	3,700	19	150	61	330
SSW-3	09/21/94	6.0	5,800	51	220	120	470
SSW-4	09/21/94	6.0	2,000	0.99	26	28	140
ESW-5	09/21/94	60	1,400	3.7	38	20	120
NSW-6	09/21/94	6.0	240	<2.0	<2.0	2.4	14
NSW-7	09/21/94	6.0	3.0	< 0.005	0.006	0.017	0.098
WSW-8	09/21/94	6.0	64	< 0.13	1.0	0.9	4.9
9-NW	10/18/94	5.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
10-SW	10/18/94	5.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
11-SW	10/18/94	6.0	<1.0	< 0 005	< 0.005	< 0.005	< 0.005
12-SE	10/18/94	6.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
13-SE	10/18/94	6.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
14-SE	10/18/94	6.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
15-SE	10/18/94	6.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
16-SE	10/18/94	6.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
17-NW	10/18/94	6.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
SW-1	08/24/95	6.0	<1.0	< 0.005	< 0 005	< 0.005	< 0.005
SW-2	08/24/95	6.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
SW-3	08/24/95	6.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
SW-4	08/24/95	6.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005
Soil Cle	Soil Cleanup Objectives		100	4.6	NE	NE	NE

a See Figure 4 for approximate locations of samples.

Samples collected September 9, 1994 analyzed for total volatile hydrocarbons as gasoline by California Department of Health Services Method/LUFT Manual October 1989; samples collected on October 18, 1994 and August 24, 1995 analyzed for total petroleum hydrocarbons as gasoline by EPA Method 8015.

c Volatile organic compounds analyzed by EPA Method 8020.

bgs Below ground surface

mg/kg Milligrams per kilogram

Symbol indicates constituents were not detected at or above the reporting limits as noted.

NE Cleanup objective not established.

TABLE X 5 GROUND WATER ANALYTICAL RESULTS

	Date	Total Petroleum Hydrocarbons ^b μg/L)	V	Soluble			
Well Location	Sampled	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	Lead ^d (mg/L)
A-1	12/14/91	2,500	300	480	80	430	NA
, , , , , , , , , , , , , , , , , , ,	09/06/94	16,000	3,400	430	120	380	< 0.01
	05/09/95	< 50	< 0.5	< 0.5	<0.5	<0.5	10.0>
MW-1	08/10/95	< 50	< 0.5	< 0.5	<0.5	< 0.5	< 0.01
	11/10/95	< 50	< 0.5	< 0.5	<0.5	< 0.5	< 0.005
	02/07/96	<50	< 0.5	< 0.5	<0.5	< 0.5	NA
	05/09/95	< 50	<0.5	< 0.5	< 0.5	< 0.5	< 0 01
MW-2	08/10/95	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.01
W1W-2	11/10/95	< 50	< 0.5	< 0.5	<0.5	<0.5	< 0 005
	02/07/96	<50	< 0.5	< 0.5	<0.5	< 0.5	NA
	05/09/95	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.01
MW-3R	08/10/95	< 50	< 0.5	<0.5	< 0.5	< 0.5	< 0.01
MW-SIC	11/10/95	<50	<0.5	< 0.5	< 0.5	<0.5	< 0.005
	02/07/96	< 50	< 0.5	< 0.5	<0.5	<0.5	NA
Duplicate (MW-ID)	02/07/96	< 50	< 0.5	< 0.5	< 0.5	< 0.5	NA
Equipment Blank	02/07/96	< 50	<0.5	0.64	<0.5	< 0.5	NA
Trip Blank	02/07/96	< 50	<0.5	< 0.5	<0.5	< 0.5	NA
Cal DHS MC	Ls ^c	NE	1	150	700	1,750	0.015

- See Figure 2 for approximate location of monitoring wells.
 Monitoring well A-1 was abandoned on September 15,
 1995 prior to excavation of impacted soil.
- b Analyzed by EPA Method 8015 Modified (December 14, 1991 sample from A-1 analyzed by EPA Method 8260).
- Analyzed by EPA Method 8020 (December 14, 1991 sample from A-1 analyzed by EPA Method 8260).
- d Analyzed by EPA Method 6010.
- e California Department of Health Services(DHS) Maximum Contaminant Levels (MCLs) for drinking water (California RWQCB, July, 1995, Compilation of Water Quality Goals).

- U.S. Environmental Protection Agency MCL for drinking water (California RWQCB, July, 1995, Compilation of Water Quality Goals).
- μg/L Micrograms per liter
- mg/L Milligrams per liter
- Symbol indicates constituent not detected above the reporting limit as listed.
- NA Not analyzed (soluble lead was deleted from the suite of analysis this quarter by agreement with Alameda County).
- NE Not established.