

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Parkway
Alameda, CA 94502-6577

(510)567-6700

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 673 - 5900 Coliseum Way, Oakland, CA 94621

March 25, 1996

Mr. David McCosker
Independent Construction
P.O. Box 5307
Concord, CA 94524

D. McCosker
908 Forest Lane
Alamo, CA 94507

Dear Mr. McCosker:

This letter confirms the completion of site investigation and remedial action for the three former underground storage tanks (2-10,000 gallon diesel and 1-500 gallon waste oil tank) removed from the above site on June 21, 1990. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, 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.

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. Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

Jun Makishima, Interim Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (rocktrans.3)

ENVIRONMENTAL PROTECTION

FEB-2 PM 1:41

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: January 5, 1996

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Eva Chu Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Rock Transport
Site facility address: 5900 Coliseum Way, Oakland 94621
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 673
URF filing date: 7/10/90 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
1. D. McCosker	908 Forest Lane, Alamo	94507
2. Independent Construction Attn. David McCosker	P.O. Box 5307, Concord	94524

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	10,000	Diesel	Removed	6/21/90
2	10,000	Diesel	Removed	6/21/90
3	500	Waste Oil	Removed	6/21/90

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 12/7/95
Monitoring Wells installed? Yes Number: 4
Proper screened interval? Yes, 5 to 20' bgs
Highest GW depth below ground surface: 5.03 Lowest depth: 8.55' in MW-1
Flow direction: W, SW
Most sensitive current use: Commercial/Industrial
Are drinking water wells affected? No Aquifer name: Unknown
Is surface water affected? No Nearest affected SW name: NA
Off-site beneficial use impacts (addresses/locations): None

Report(s) on file? YES Where is report(s) filed? Alameda County
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank & Piping	3 USTs	Disposed by Erickson, in Richmond	6/21/90
Soil	45.89 tons 3,200 cy	Recycled at Remco, in Richmond Treated and reused onsite	Mar, May '91 Jan-May '91
Groundwater	700 gallons	Waste Oil Recovery, in Oakland	6/22, 26/90

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before ¹	After	Before ⁴	After
TPH (Gas)	840	ND	450	ND
TPH (Diesel)	(900) ²	480	97,000	2,400
Benzene	0.0066	ND	0.41	ND
Toluene	(.056) ²	.0098	ND	ND
Ethylbenzene	1.5	ND	ND	ND
Xylenes	3.5	0.12	ND	ND
Oil & Grease	25,000 ²	400 ³	ND	ND
Heavy metals	Pb 250	26	ND	ND
Other (HVOC)	PCE (ND) 0.017 ⁵	ND ⁶	ND	ND
	SVOC ND	ND	ND	ND

- NOTE
- 1 Soil sample from diesel fuel pit at time of UST removal
 - 2 Soil sample from W.O. pit at time of UST removal
 - 3 Verification soil sample SW-2, taken 11/29/90
 - 4 "Grab" groundwater from diesel pit after purging 700 gallon water
 - 5 Soil sample SW-1, taken 11/29/90
 - 6 From soil sample WO-1, taken 3/11/91, after overexcavation

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: **None**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **None, pending site closure**

Number Decommissioned: **0** Number Retained: **4**

List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature:  Date: 1/5/96

Reviewed by

Name: Barney Chan Title: Haz Mat Specialist

Signature:  Date: 1/5/96

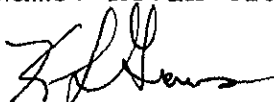
Name: Dale Klettke Title: Haz Mat Specialist

Signature:  Date: 1/5/96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 1/8/96 RB Response: 

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature:  Date: 1/31/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

Two 10K diesel USTs in a common pit and a 500 gallon waste oil UST in another pit were removed on June 21, 1990. Groundwater was evident in the diesel pit, thus, sidewall samples (D1SE, D1SN, D1SW, D2SW, and D2SE) were collected and analyzed for TPH-D, TPH-G, and BTEX. One soil sample (WOS) was collected from the base of the waste oil excavation and analyzed for TPH-G, TPH-D, BTEX, TOG, and HVOCs. Five days after groundwater was purged from the diesel pit, two "grab" groundwater samples were collected and analyzed for TPH-D, TPH-G, and BTEX. Both soil and groundwater samples from the diesel pit, and soil from the waste oil pit detected elevated levels of TPH-D and TPH-G. In addition, the waste oil sample detected 25,000 ppm TOG, but HVOCs were not found above the detection limits. BTEX levels were unremarkable. (See Fig 1 and Table 1)

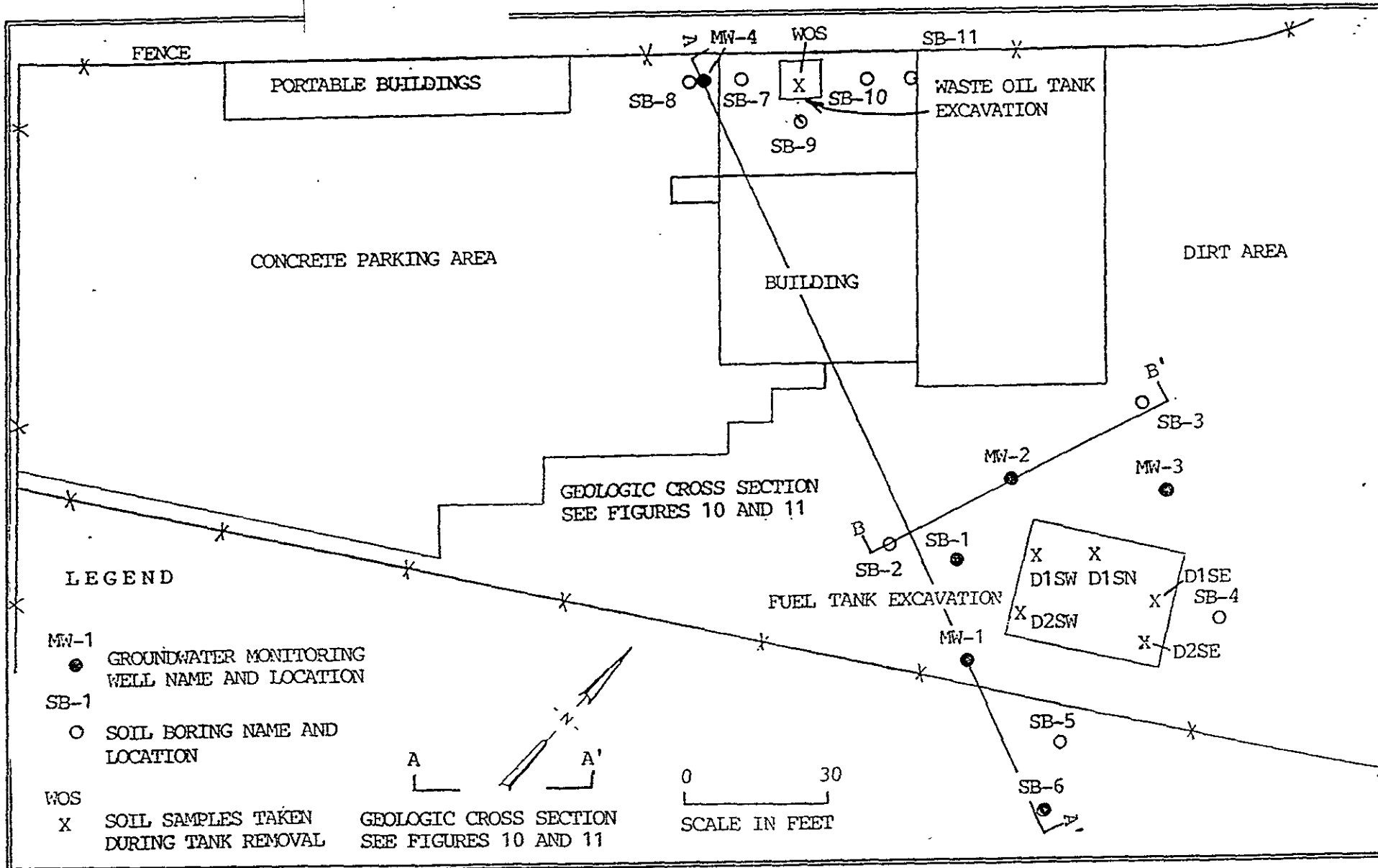
In July 1990, a total of 11 soil borings (SB-1 thru SB-11) were emplaced around the waste oil and diesel pits to delineate the extent of soil contamination in the vadose zone. Soil samples collected from the borings around the diesel pit detected elevated TPH-D concentrations in SB-1 and SB-6 at 13.5 and 232 ppm, respectively. Soil samples from the borings around the waste oil pit did not detect elevated levels of contaminants. (See Fig 1, Table 2)

Both pits were overexcavated, removing a total of approximately 3,550 cy of soil, of which 250 cy was clean overburden, 3,200 cy from the diesel pit, and 100 cy from the waste oil pit. Soil from the diesel pit was treated with hydrogen peroxide and aeration. This soil was subsequently reused to

backfill the pits. Soil from the waste oil pit was hauled offsite for treatment and disposal. Three events of verification sampling were conducted at the diesel pit. Final verification samples collected in September 1990 from the sidewalls of the diesel excavation did not detect TPH-D, TPH-G, or BTEX, with the exception of 0.05 ppm ethyl-benzene and 0.12 ppm xylenes in sample SW-2. (See Fig 2, Table 3)

The waste oil pit was overexcavated in four stages (Nov 1990, and March and May 1991) due to the recurring detection of TOG in some verification soil samples. Two test pits were additionally dug west of the waste oil pit, near well MW-4, where gasoline was detected at depths of 6 and 11', in boring SB-7 and SB-8. A total of 12 discrete verification samples were collected and analyzed for TPH-D, TPH-g, TOG, and BTEX. Selected samples were also analyzed for HVOCs, SVOCs, and 5 metals (Cd, Cr, Pb, Zn, and Ni). Final verification samples did not detect remarkable levels of the above constituents, with the exception of 130 ppm Pb from sample VVS-4, one of the test pits by well MW-4. The source of Pb may be from the nearby sanitary sewer, rather than the former waste oil tank. No additional excavation nor WET analysis were performed for this area. (See Fig 3, Table 3)

In March-April 1991 a total of four monitoring wells were constructed, three (MW-1 thru MW-3) in the area of the former diesel tanks, and MW-4 near the former waste oil tank. After 14 sampling events (from April 1991 thru August 1995), only well MW-1 continues to exhibit elevated levels of TPH-D (2,400 ppb). The other three wells have exhibited only trace to non-detectable levels of TPH-G, TPH-D, and BTEX. In addition, well MW-4, which is downgradient of the former waste oil tank has not detected HVOCs, SVOCs or the 5 metals, Cd, Cr, Pb, Ni, and Zn. It does not appear that the fuel release has significantly impacted groundwater quality beneath the site. Continued sampling of groundwater is not warranted. (See Fig 1, Table 4)

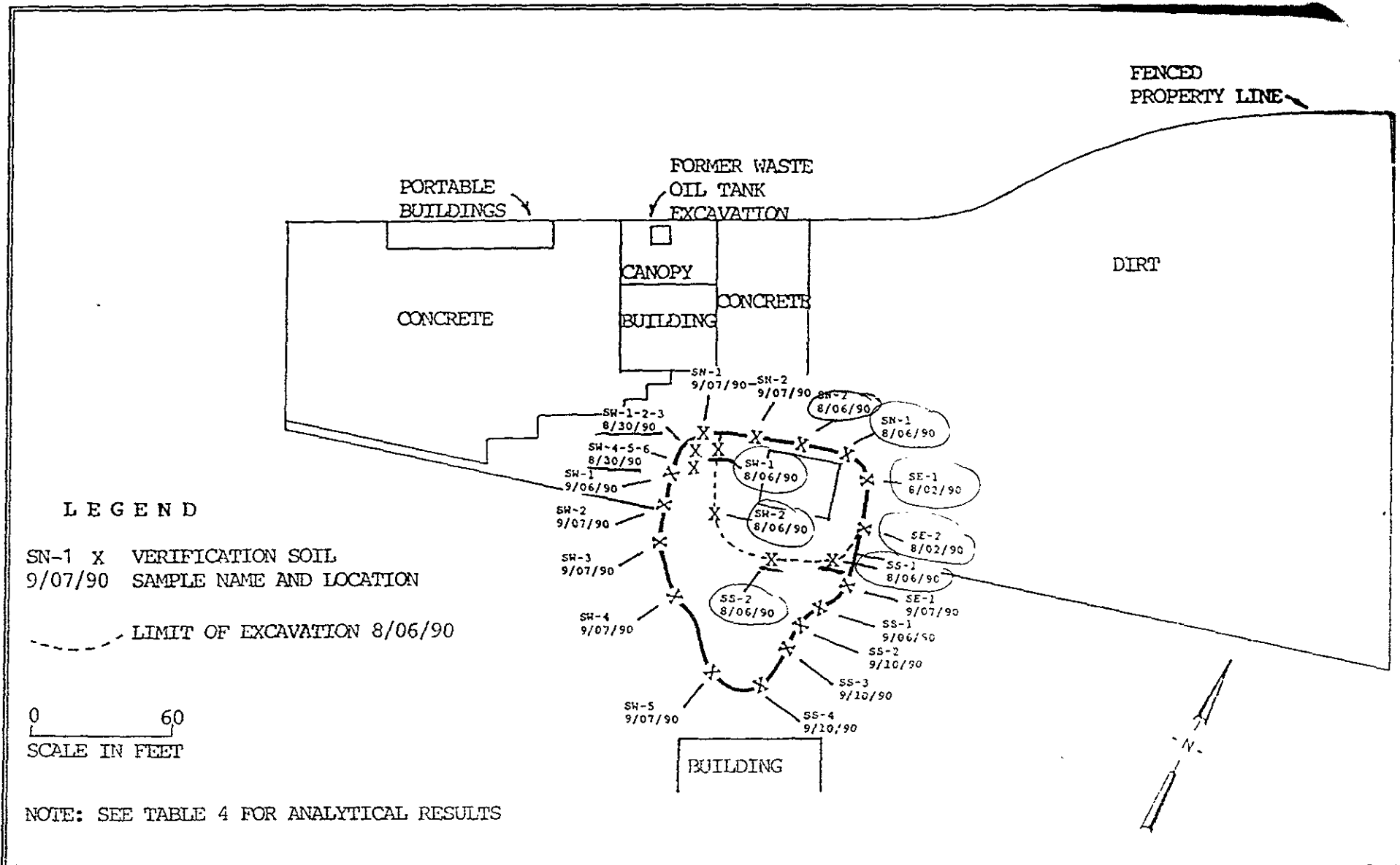


FIGS



SITE PLAN
A.J. MCCOSKER & AILEEN C. MCCOSKER, TRUST
5900 COLISEUM WAY
OAKLAND, CALIFORNIA

FIGURE
12

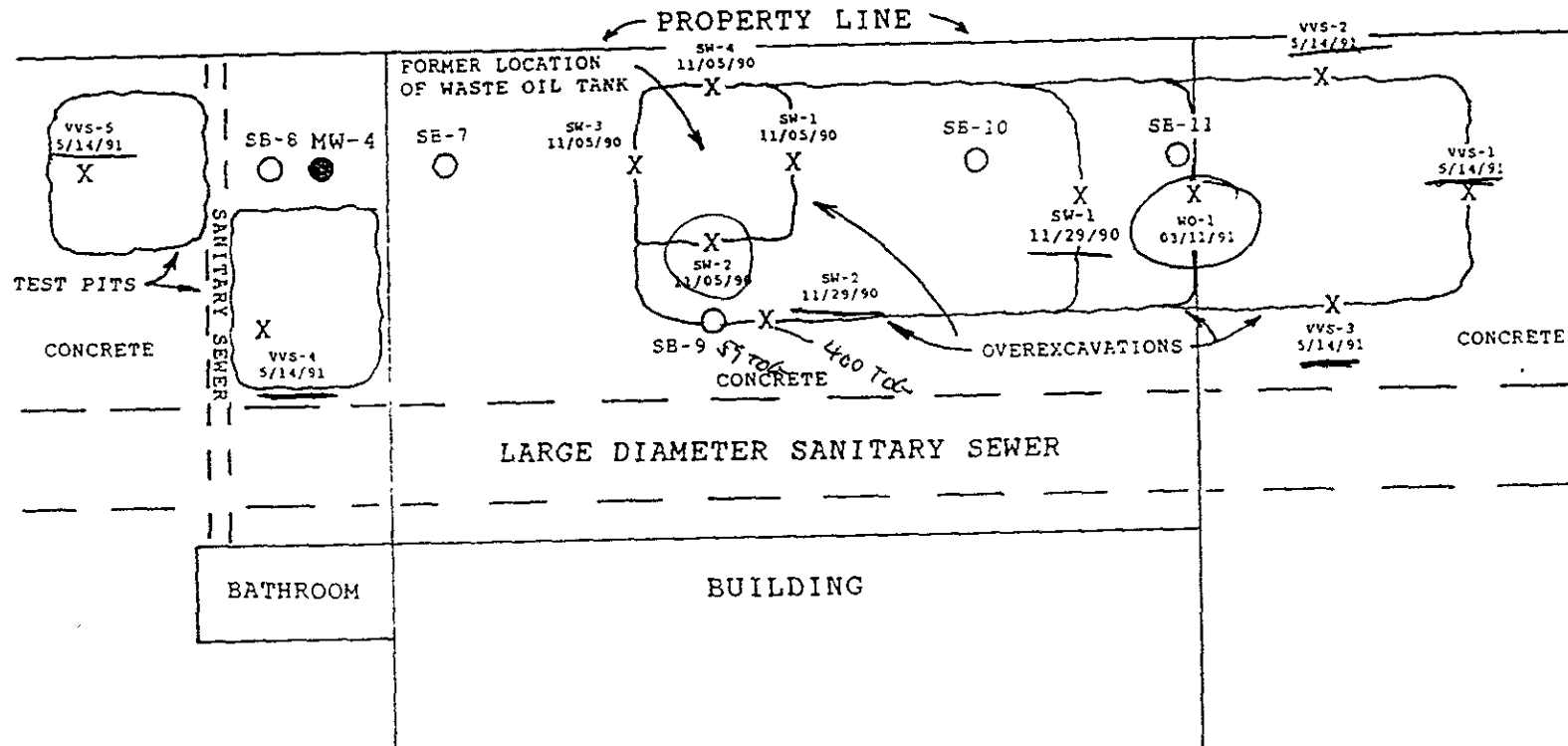


VERIFICATION SOIL SAMPLING
FUEL TANK LOCATION
A.J. MCCOSKER & AILEEN C. MCCOSKER, TRUST
5900 COLISEUM WAY
OAKLAND, CALIFORNIA

FIGURE

28

LARGE OPEN STORM DRAIN

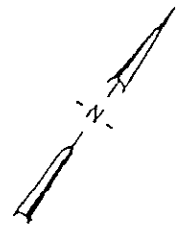


LEGEND

- MW-4
● GROUNDWATER MONITORING WELL NAME AND LOCATION
- SB-7
○ SOIL BORING NAME AND LOCATION

- SW-1
X VERIFICATION SIDEWALL SOIL SAMPLE

0 10
SCALE IN FEET



VERIFICATION SOIL SAMPLING
WASTE OIL TANK LOCATION
A.J. MCCOSKER & AILEEN C. MCCOSKER, TRUST
5900 COLISEUM WAY
OAKLAND, CALIFORNIA

FIGURE

34

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
OBTAINED DURING TANK REMOVAL*
(ppm)

Sample Identification	Total Oil & Grease	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes
D1SE	NA**	3.4	<1.0	0.0060	0.0075	0.0052	0.018
D1SN	NA	39	<1.0	<0.0050	0.0085	0.0053	0.028
D1SW	NA	220✓	7.2	0.0066	0.0098	0.041	0.096
D2SW	NA	480✓	840✓	<0.0050	<0.0050	1.5	3.5
D2SE	NA	470✓	26	<0.0050	<0.0050	0.018	0.051
WOS	25000✓	900✓	320✓	<0.0050	0.056	0.22	1.1

* Sample WOS was also analyzed for halogenated volatile organics by EPA Method 5030/8010; all results were below the detection limit (see Appendix B).

** NA = Not analyzed

cont Table 1

~~TABLE 2~~
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
OBTAINED DURING TANK REMOVAL
(ppb)

Sample Identification	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes
LN	97000	450	0.41	<0.30	<0.30	<0.30
LS	8600	370	<0.30	<0.30	<0.30	<0.30

TABLE 32
SUMMARY OF SOIL ANALYTICAL RESULTS
FOR SAMPLES COLLECTED FROM SOIL BORINGS
(ppm)

Sample ID Name	Depth (in feet)	TPHD	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease
SB-1	11.0-11.5	135	<1.0	<.005	<.005	<.005	<.005	NA*
SB-2	06.0-06.5	<1.0	<1.0	<.005	<.005	<.005	<.005	NA
SB-2	11.0-11.5	<1.0	<1.0	<.005	<.005	<.005	<.005	NA
SB-3	07.0-07.5	<1.0	<1.0	<.005	<.005	<.005	<.005	NA
SB-3	11.5-12.0	<1.0	<1.0	<.005	<.005	<.005	<.005	NA
SB-4	06.0-06.5	<1.0	<1.0	<.005	<.005	<.005	<.005	NA
SB-4	11.0-11.5	<1.0	<1.0	<.005	<.005	<.005	<.005	NA
SB-5	06.0-06.5	<1.0	<1.0	<.005	<.005	<.005	<.005	NA
SB-5	11.0-11.5	<1.0	<1.0	<.005	<.005	<.005	<.005	NA
SB-6	06.0-06.5	<1.0	<1.0	<.005	<.005	<.005	<.005	NA
SB-6	11.0-11.5	232	<1.0	<.005	<.005	<.005	<.005	NA
SB-7	06.0-06.5	<1.0	<1.0	0.037	0.019	<.005	0.0074	<30
SB-7	11.0-11.5	<1.0	<1.0	0.016	0.017	0.0059	0.018	<30
SB-8	06.0-06.5	<1.0	<1.0	0.026	<.005	<.005	0.0096	<30
SB-8	11.0-11.5	<1.0	1.1	0.0056	<.005	<.005	0.026	<30
SB-9	06.0-06.5	20	<1.0	0.021	<.005	0.0054	0.011	53
SB-9	11.0-11.5	<1.0	2.1	0.0058	0.012	0.028	0.088	<30
SB-10	06.0-06.5	<1.0	<1.0	<.005	<.005	<.005	0.040	<30
SB-10	11.0-11.5	<1.0	<1.0	<.005	<.005	<.005	0.022	<30
SB-11	06.0-06.5	<1.0	<1.0	<.005	<.005	<.005	0.012	<30
MW-3	05.0-05.5	<1.0	<0.5	<.005	<.005	<.005	<.020	NA
MW-3	10.0-10.5	<1.0	<0.5	<.005	<.005	<.005	<.020	NA

NA* = NOT ANALYZED

TABLE #3
SUMMARY OF SOIL ANALYTICAL RESULTS
OVEREXCAVATION SIDEWALLS
VERIFICATION SOIL SAMPLES
DIESEL FUEL TANKS EXCAVATION
(ppm)

Sample ID Name	Date	Depth (feet)	TPHD	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes
SE-1	8/02/90	11.0	<1.0	<1.0	0.0081	0.0065	<.0050	<.0050
SE-2	8/02/90	11.0	4.0	<1.0	<.0050	<.0050	<.0050	<.0050
SN-1	8/06/90	11.0	<1.0	<1.0	0.0051	<.0050	<.0050	<.0050
SN-2	8/06/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SS-1	8/06/90	11.0	120.0	16.0	0.0190	0.0540	0.1100	0.1500
SS-2	8/06/90	11.0	360.0	64.0	<.0050	0.0290	0.0250	0.2100
SW-1	8/06/90	11.0	700.0	120.0	0.0260	0.0580	0.0720	0.5400
SW-2	8/06/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SW-1-2-3*	8/30/90	13.0	<10.0	<10.0	.0020	0.0180	.0020	.0020
SW-4-5-6*	8/30/90	13.0	<10.0	10.0	.0020	0.0660	.0020	0.2200
SS-1	9/06/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SW-1	9/06/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SE-1	9/07/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SN-1	9/07/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SN-2	9/07/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SW-2	9/07/90	11.0	<1.0	<1.0	<.0050	<.0050	.0500	0.1200
SW-3	9/07/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SW-4	9/07/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SW-5	9/10/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SS-2	9/10/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SS-3	9/10/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050
SS-4	9/10/90	11.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050

* COMPOSITE OF 3 SOIL SAMPLES

cont TABLE #3
 SUMMARY OF SOIL ANALYTICAL RESULTS
 OVEREXCAVATION SIDEWALLS
 VERIFICATION SOIL SAMPLES
 WASTE OIL TANK EXCAVATION
 (ppm)

Sample ID Name	Date	Depth feet	TPHD	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease
SW-1 ¹	11/05/90	7.0	<1.0	<1.0	NA*	NA	NA	NA	60
SW-2 ¹	11/05/90	7.0	2.2	<1.0	NA	NA	NA	NA	250
SW-3 ¹	11/05/90	7.0	<1.0	<1.0	NA	NA	NA	NA	<30
SW-4 ¹	11/05/90	7.0	<1.0	<1.0	NA	NA	NA	NA	<30
SW-1 ²	11/29/90	7.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050	640
SW-2 ²	11/29/90	7.0	<1.0	<1.0	<.0050	<.0050	<.0050	<.0050	400
WO-1 ²	03/11/91	7.0	2.1	<1.0	<.0050	0.0074	<.0050	0.0096	300
VVS-1 ³	05/14/91	8.5	<1.0	<0.5	<.0050	<.0050	<.0050	<.0200	<50
VVS-2 ³	05/14/91	8.5	<1.0	<0.5	<.0050	<.0050	<.0050	<.0200	79
VVS-3 ³	05/14/91	9.0	<1.0	<0.5	<.0050	<.0050	<.0050	<.0200	<50
VVS-4 ⁴	05/14/91	6.5	1.8	<0.5	<.0050	<.0050	<.0050	<.0200	52
VVS-5 ²	05/14/91	6.5	<1.0	<0.5	<.0050	<.0050	<.0050	<.0200	<50

- ¹ ALSO ANALYZED FOR VOLATILE ORGANICS BY GC/MS (EPA 8240) AND SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270); NO CHEMICALS DETECTED.
- ² ALSO ANALYZED FOR HALOGENATED VOLATILE ORGANICS BY EPA METHOD 5030/8010; DETECTED .017 ppm TETRACHLOROETHENE IN SAMPLE SW-1.
- ³ ALSO ANALYZED FOR VOLATILE ORGANICS BY GC/MS (EPA 8240); NO CHEMICALS DETECTED.
- ⁴ ALSO ANALYZED FOR HALOGENATED VOLATILE ORGANICS BY EPA METHOD 5030/8010 AND SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270); NO CHEMICALS DETECTED.

NA* = NOT ANALYZED

Cont. TABLE # 3
 SUMMARY OF SOIL ANALYTICAL RESULTS
 FOR METALS
 OVEREXCAVATION SIDEWALLS
 VERIFICATION SOIL SAMPLES
 WASTE OIL TANK EXCAVATION
 (ppm)

Sample ID Name	Date	Cadmium	Chromium	Lead	Zinc	Nickel
SW-1	11/05/90	<0.50	49	3.6	36	NA*
SW-2	11/05/90	<0.50	47	250	44	NA
SW-3	11/05/90	<0.50	36	2.8	63	NA
SW-4	11/05/90	<0.50	41	7.7	69	NA
SW-1	11/29/90	0.60	51	20	68	NA
SW-2	11/29/90	0.65	46	26	94	NA
WO-1	03/11/91	0.80	27	97	40	25
VVS-1	05/14/91	<.4	16	<3	31	42
VVS-4	05/14/91	.5	14	130	75	20

NA* = NOT ANALYZED

TABLE 4
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
(ppb¹)

Sample ID Name	Date	TPHD	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease
MW-1	04/01/91	8,400	880	0.46	0.37	<.30	0.80	NA ²
	11/21/91	490	<50	0.52	<0.50	1.1	4.9	NA
	02/20/92	4,600	<50	<0.50	<0.50	<0.50	<1.5	NA
	05/26/92	530	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/12/92	260	<50	<0.50	<0.50	<0.50	<1.5	NA
	11/18/92	580	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/19/93	1,200	<50	<0.50	<0.50	<0.50	<1.5	NA
	05/21/93	1,700	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/18/93	3,100	<50	<0.50	<0.50	<0.50	<1.5	NA
	11/24/93	350	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/22/94	4,700	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/16/94	3,500	NA	NA	NA	NA	NA	NA
	02/14/95	980	NA	NA	NA	NA	NA	NA
	08/17/95	2,400	NA	NA	NA	NA	NA	NA
MW-2	04/01/91	<50	<30	<.30	<.30	<.30	<.30	NA
	11/21/91	88	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/20/92	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	05/26/92	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/12/92	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	11/18/92	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/19/93	NA	NA	NA	NA	NA	NA	NA
	05/21/93	70	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/18/93	NA	NA	NA	NA	NA	NA	NA
	11/24/93	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/22/94	NA	NA	NA	NA	NA	NA	NA
	08/16/94	NA	NA	NA	NA	NA	NA	NA
	02/14/95	NA	NA	NA	NA	NA	NA	NA
	08/17/95	NA	NA	NA	NA	NA	NA	NA

Cont. TABLE #4
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
(ppb¹)

Sample ID Name	Date	TPHD	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease
MW-3	04/01/91	180	<30	<.30	<.30	<.30	<.30	NA
	11/21/91	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/20/92	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	05/26/92	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/12/92	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	11/18/92	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/19/93	NA	NA	NA	NA	NA	NA	NA
	05/21/93	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/18/93	NA	NA	NA	NA	NA	NA	NA
	11/24/93	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/22/94	NA	NA	NA	NA	NA	NA	NA
	08/16/94	NA	NA	NA	NA	NA	NA	NA
	02/14/95	NA	NA	NA	NA	NA	NA	NA
	08/17/95	NA	NA	NA	NA	NA	NA	NA
MW-4	04/17/91 ^{3, 6}	<50	<50	<0.50	<0.50	<0.50	<2	<1,000
	11/21/91 ^{4, 6}	65	<50	<0.50	<0.50	<0.50	<1.5	<1,000
	02/21/92 ^{4, 6}	<50	<50	<0.50	<0.50	<0.50	<1.5	<1,000
	05/26/92 ^{4, 6}	<50	<50	<0.50	<0.50	<0.50	<1.5	<1,000
	08/12/92 ⁶	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	11/18/92 ^{4, 6}	<50	<50	<0.50	<0.50	<0.50	<1.5	<1,000
	02/19/93	98	<50	<0.50	<0.50	<0.50	<1.5	NA
	05/21/93	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/18/93	75	<50	<0.50	<0.50	<0.50	<1.5	NA
	11/24/93	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/22/94	<50	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/16/94	NA	NA	NA	NA	NA	NA	NA
	02/14/95	NA	NA	NA	NA	NA	NA	NA
	08/17/95	NA	NA	NA	NA	NA	NA	NA

Cont. TABLE #4
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
(ppb¹)

Sample ID Name	Date	TPHD	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease
MW-5 ⁵	05/26/92	NA	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/12/92	NA	<50	<0.50	<0.50	<0.50	<1.5	NA
	11/18/92	NA	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/19/93	NA	<50	<0.50	<0.50	<0.50	<1.5	NA
	05/21/93	NA	<50	<0.50	<0.50	<0.50	<1.5	NA
	08/18/93	NA	<50	<0.50	<0.50	<0.50	<1.5	NA
	11/24/93	NA	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/22/94	NA	<50	<0.50	<0.50	<0.50	<1.5	NA
	02/14/95	NA	NA	NA	NA	NA	NA	NA
	08/17/95	NA	NA	NA	NA	NA	NA	NA

¹ PARTS PER BILLION

² NOT ANALYZED

³ ALSO ANALYZED FOR HALOGENATED VOLATILE ORGANICS BY EPA METHOD 8010, EXTRACTABLE ORGANICS BY EPA METHOD 8270; ALL RESULTS WERE NONDETECTABLE.

⁴ ALSO ANALYZED FOR HALOGENATED VOLATILE ORGANICS BY EPA METHOD 8010; ALL RESULTS WERE NONDETECTABLE.

⁵ TRIP BLANK

⁶ ALSO ANALYZED FOR SELECTED METALS BY VARIOUS EPA METHODS. ALL RESULTS WERE NONDETECTABLE.