R0885

R0855

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR
DEPARTMENT OF ENVIRONMENTAL HEALTH

February 17, 1995
STID 689

ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIV.
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

REMEDIAL ACTION COMPLETION CERTIFICATIO

Harold Jordan
American Plan Fund 72-A
221 Mountain Ave.
Piedmont CA 94611

RE: T&T Auto Repair, 610 Oak St., Oakland CA 94607

Dear Mr. Jordan,

This letter confirms the completion of site investigation and remedial action for the former 5,000-gallon gasoline underground storage tank (UST), 7,500-gallon gasoline UST, and 350-gallon waste oil 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.

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.

If you have any questions regarding this letter, please contact Jennifer Eberle at (510) 567-6700, ext. 6761.

Very truly yours,

Rafat A. Shahid, Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division/files
Kevin Graves, RWQCB
Mike Harper, SWRCB
Jennifer Eberle
Dave Tight, Burlington Environmental, 5901 Christie AVe., Suite 501, Emeryville CA 94608

LOP/Completion
je 689clos.let

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date:** 10/24/94

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pky**
City/State/Zip: **Alameda CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Jennifer Eberle** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **T&T Auto Repair**
Site facility address: **610 Oak St., Oakland CA 94607**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **689**
URF filing date: **10/30/92** SWEEPS No: **N/A**

Responsible Parties: **Addresses:** **Phone Numbers:**
Harold Jordan, American Plan Fund 72-A, 221 Mountain Ave., Piedmont CA 94611 (510) 547-5221

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	5000	gasoline	removed	8/22/90
2	7500	gasoline	removed	8/22/90
3	350	waste oil	removed	8/22/90

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: probable overfill to waste oil UST

Site characterization complete? YES

Date approved by oversight agency:

Monitoring Wells installed? YES Number: one

Proper screened interval? YES (5′ to 25′)

Highest GW depth below ground surface: (or DTW): 9.68′
Lowest depth: 10.54′
Flow direction: has been consistently SE at the adjacent Chevron (609 Oak St.), for at least the past 6 quarters.

Most sensitive current use: possibly a business (Sincere Plumbing)

Are drinking water wells affected? NO Aquifer name: NA

Is surface water affected? NO Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): NA
Report(s) on file? **YES** Where is report(s) filed?
Alameda County, 1131 Harbor Bay Pky, Alameda Ca 94502

Leaking Underground Fuel Storage Tank Program

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tank	3 USTs (10,880 lb)	removed, to Erickson manifest #89891806	8/22/90
Piping			
waste oil	350 gal	removed, to Ramos Envir. manifest #90002752	8/22/90
Soil	225 ton	removed, to Gibson Envir., non-haz manifest	5-12-93

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

Contaminant	Soil (ppm) Before	Soil (ppm) After	Water (ppm) Before	Water (ppm) After
TPH (Gas)	ND			
TPH (Diesel)	ND*		no pit water	
Benzene	ND			
Toluene	ND		see attached table	
Xylene	ND		for MW results	
Ethylbenzene	ND			
Oil & Grease	ND**			
Cd	0.6*			
Cr	37*			
Pb	ND*			
Zn	21*			
VOCs	ND*			
semi VOCs	ND***			

Comments (Depth of Remediation, etc.): These numbers represent soil in gasoline pits. * represents waste oil pit. With "before" soil results like these, who needs "after" samples? ** There was 1,200 ppm TPH-motor oil in one of the SBs (SB4) advanced around the waste oil pit on 12/8/92. This area was subsequently overexcavated. See Section VII. *** from south side at 8'bgs

IV. CLOSURE

1) Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined
2) Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined
3) Does corrective action protect public health for current land use? YES
4) Site management requirements: NA
5) Should corrective action be reviewed if land use changes? NO
6) Monitoring wells Decommisioned: NOt yet; waiting for closure letter
   Number Decommisioned: Number Retained:

List enforcement actions taken: NA

List enforcement actions rescinded: NA

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Jennifer Eberle — Title: Haz Mat Specialist
Signature: J Eberle — Date: 10-25-94

Reviewed by
Name: Barney Chan — Title: Haz Mat Specialist
Signature: BC — Date: 10/28/94

Name: Eva Chu — Title: Haz Mat Specialist
Signature: Eva Chu — Date: 10/31/94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 1-10-95 — RB Response: Approved
RWQCB Staff Name: Kevin Graves — Title: AWRCE — Date: 1/23/95

VII. ADDITIONAL COMMENTS, DATA, ETC.

Three USTs removed on 8/22/90: one 5,000-gal gasoline, one 7,500-gal gasoline, and one 350-gal waste oil. The 7,500-gal UST had 2 holes on bottom. Samples from below the gas USTs at 13' were ND for TPHg and BTEX, and the SP only had 3 ppm TPH-g and 0.413 ppm total BTEX (.010 ppm benzene). The waste oil pit was ND for TOG, TPH-g, TPH-d, 8240, and less than 10X the STLC metals, at 7'bgs. This stockpile had only 140 ppm TOG (and was ND for TPH-g, TPH-d, 8240, and <10X STLC metals). See Table 0.

Three samples were taken of pump island and pipeline on 1/8/91. They were ND for BTEX and TPH-g. The "combined" stockpile was resampled on 1/31/91 and had 170 ppm TOG, 10 ppm TPH-d, ND BTEX, ND TPH-g, ND organic Pb, ND Cd, 44 ppm Cr, 49 ppm Pb, and 82 ppm Zn.

Four soil samples around the former waste oil UST were collected from 7'bgs on 12/8/92. They got up to 1200 ppm TPH-motor oil from South side of UST pit. TPH-d and BTEX were ND. They resampled the stockpile and got 0.7 ppm TPH-g, 28 ppm TPH-motor oil, ND TPH-d, and ND BTEX. See Table 1 and Figure 2.

On 2/3/93, the waste oil pit was overexcavated to 12'bgs. The walls and bottom were sampled to confirm that all contamination had been removed. All 5 samples were ND for TPH-motor oil.

The excavation was backfilled, and MW1 was installed on 2/23/93. Soil and gw samples collected during installation and development of MW1 indicated the presence of HC and metals contamination in the new backfill material and the gw. Further investigation by Burlington revealed that the soil used for backfilling the original excavation was recycled fill which was intended for road base and road surface material. Burlington decomissioned MW1 and reexcavated the area surrounding the former waste oil UST in April 93. Samples were again collected from the 4 walls and bottom of the excavation on 4/9/93, and witnessed by J. Eberle. They were ND for TPH-d, TPH-motor oil, TOG, 8240 (VOCs), and <10X STLC metals except Cr (4 samples had Cr ranging from 57 to 89 ppm). The pit was backfilled again and MW-1R was installed on 5/25/93. Soil from the boring of MW-1R was ND for TPH-g, TPH-d, TPH-motor oil, BTEX, VOCs, and <10X STLC metals, excent 67 ppm Cr at 9-10.5'bgs. See Table 2 and Figure 2A.

MW-1R was sampled for 5 quarters, from 5/28/93 to 6/2/94. See Table 2B. TPH-g and TPH-d and benzene have been ND for 5 quarters. TPH-mo and TEX have been ND for 4 quarters. TOG has been ND for 3 quarters; TOG was detected in the duplicate sample on 9/16/93 at 1000 ppb, which is the DL. The metals are all below current primary MCLs with the following exceptions: 15 ppb Cd on 5/28/93 (there were 4 subsequent quarters <MCL); and 1,500 ppb Cr on 5/28/93 (there were 4 subsequent quarters <MCL).

Table 0

Sample	Location	TPH-G (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl Benzene (ppb)	Xylene (ppb)	Org.Lead (ppm)
Gasoline Tanks							
2	Soil-13'	ND	ND	ND	ND	ND	ND
3	Soil-13'	ND	ND	ND	ND	ND	ND
3	Soil-13'	ND	ND	ND	ND	ND	ND
4	Soil-13'	ND	ND	ND	ND	ND	ND
Gasoline Spoils Pile							
7,8,9,10	Composite	ND	10	30	53	320	-
Waste Oil Spoils Pile							
11	Soil-7'	ND	75	280	490	2500	-
Re-sample of Combined Spoils Pile							
A,B,C,D	Composite	ND	ND	ND	ND	ND	ND

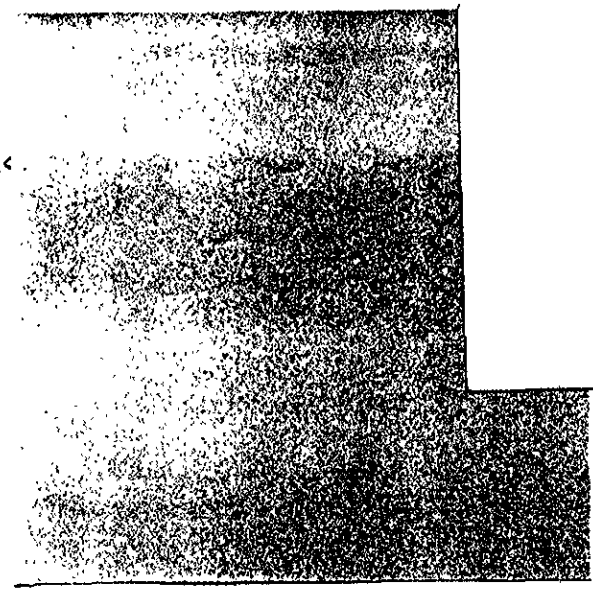
Sample	Location	TPH-G (ppm)	TPH-D (ppm)	Oil & Grease (ppm)	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Zinc (ppm)	8240 (w/BTEX)
Waste Oil Tank									
1	Soil-7'	ND	ND	ND	0.6	37	ND	21	ND
Waste Oil Spoils Pile									
11	Composite	ND	ND	140	0.4	30	48	50	
Re-sample of Combined Spoils Pile									
A,B,C,D	Composite	ND	ND	170	ND	44	49	82	

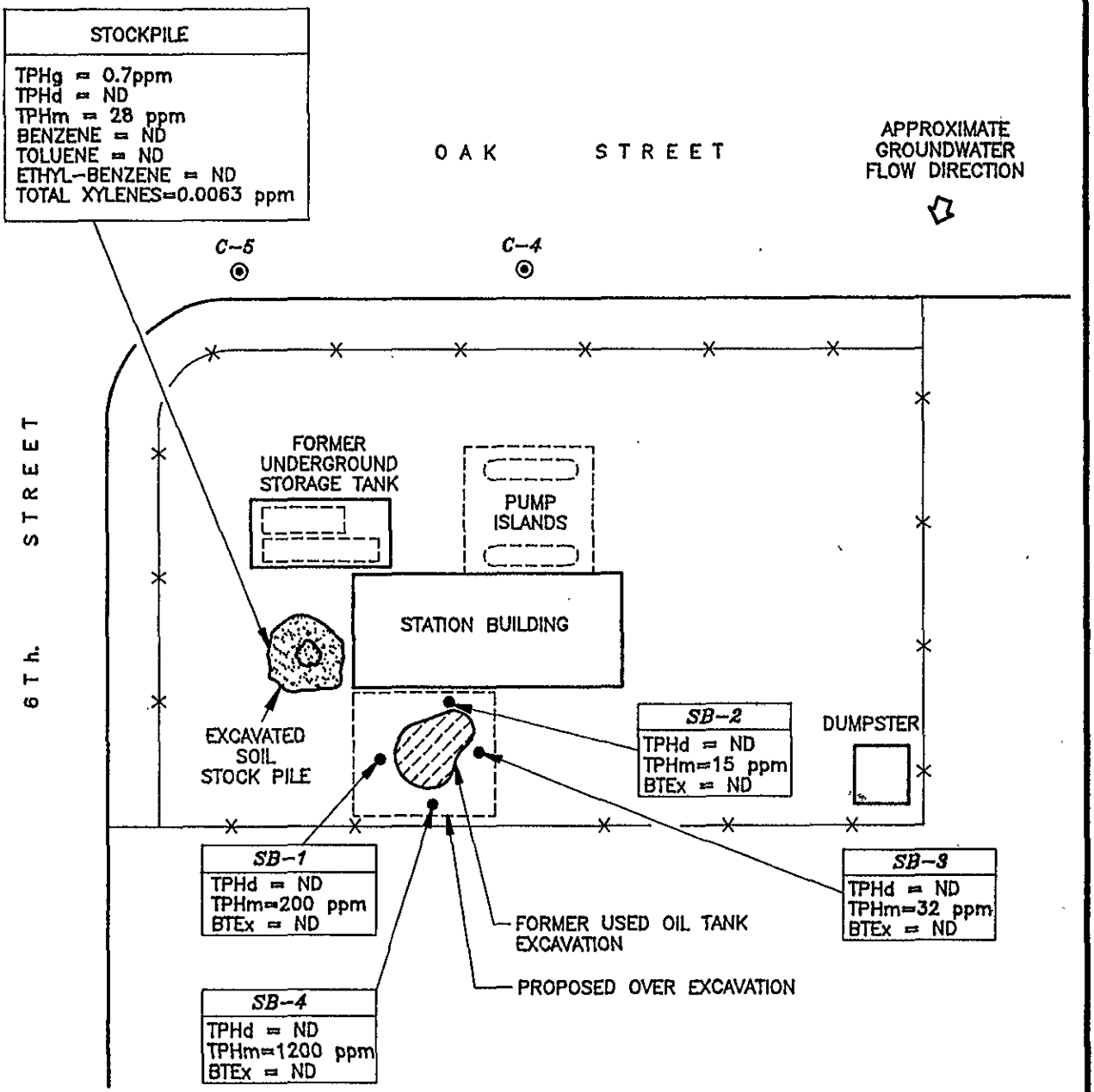
where's #6?

Table 1
SOIL SAMPLE ANALYSIS
Former T & T Auto
610 Oak Street, Oakland, California

SAMPLE ID	SAMPLE DATE	TPHg	THPd	TPHm	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
Detection Method		8015	8015	8015	8020	8020	8020	8020
Detection Limit (ppm)		.5	10	10	.0050	.0050	.0050	.0050
SS01TNT	12/8/92	.70	ND	28	ND	ND	ND	.0063
SS02TNT	12/8/92	NS	ND	200	ND	ND	ND	ND
SS03TNT	12/8/92	NS	ND	15	ND	ND	ND	ND
SS04TNT	12/8/92	NS	ND	32	ND	ND	ND	ND
SS05TNT	12/8/92	NS	ND	1200	ND	ND	ND	ND
WS01TNT	12/8/92	NA	NA	NA	NA	NA	NA	NA

Notes:
TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
TPHm = Total Petroleum Hydrocarbons as motor oil
Soil chemistry values presented in parts per million (ppm)
NS = Not sampled
ND = Not detected, concentration below method detection limit.
NA = Not analyzed
SS-01-TNT = Stockpile
SS-02-TNT = West side of former tank - 7 ft-bgs
SS-03-TNT = North side of former tank - 7 ft-bgs
SS-04-TNT = East side of former tank - 7 ft-bgs
SS-05-TNT = South side of former tank - 7 ft-bgs
WS-01-TNT = South side of former tank - 12.5 ft-bgs





BURLINGTON ENVIRONMENTAL INC.

SITE PLAN
Former T & T Autobody
610 Oak Street
Oakland, California

Figure 2

Project No.TNT101/459

Drawn By PPK | Date 1/8/93

Reviewed By : LJM | Date : 1-8-92

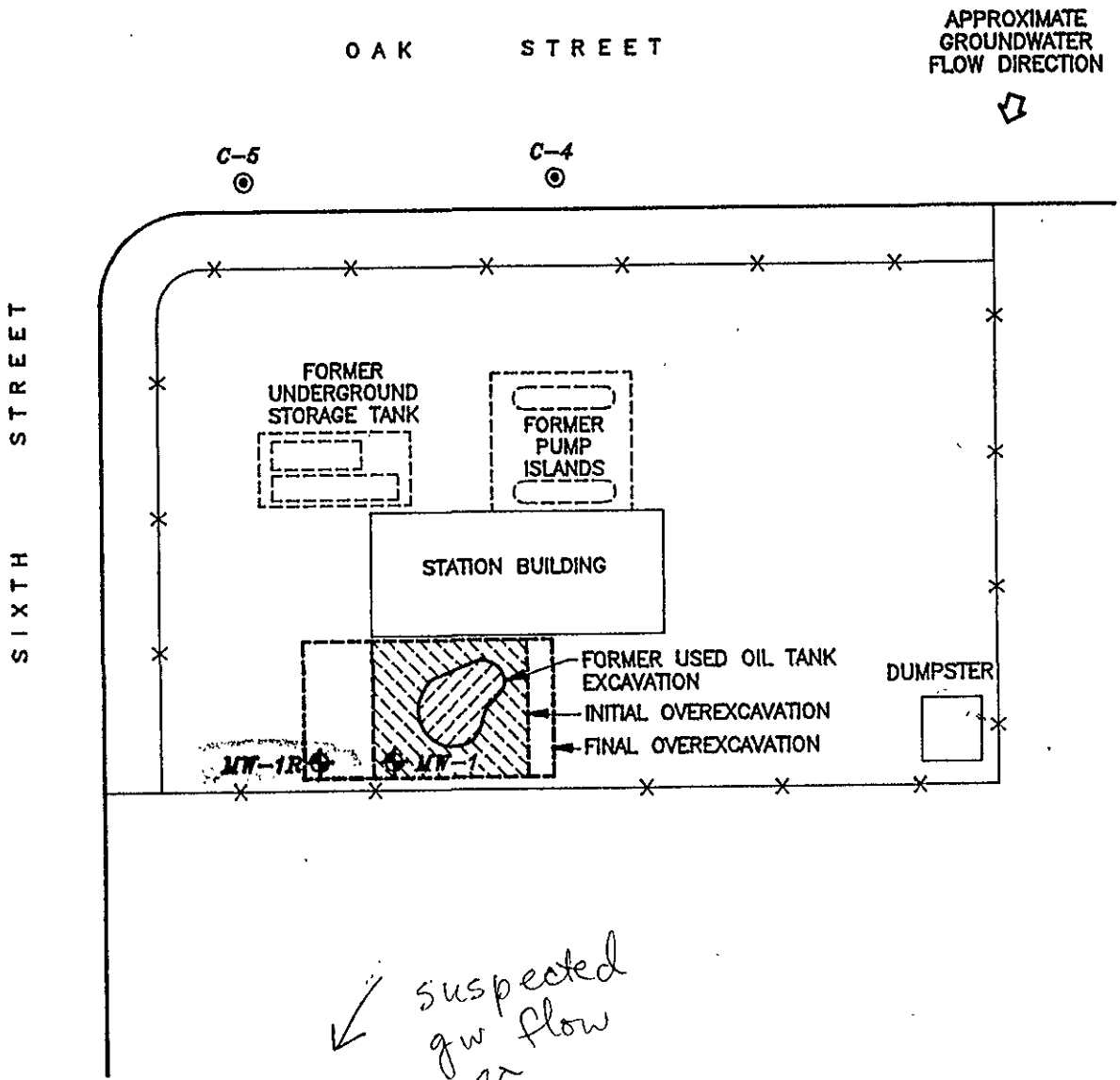
Drawing No. A0645903

Table 2
SOIL ANALYTICAL RESULTS

Former T & T Autobody
Oakland, California

Well Number	Sample Number	Sample Depth (ft-bgs)	TPH Gasoline	TPH Diesel	TPH Motor Oil	Total Oil & Grease	Benzene	Toluene	Ethyl-benzene	Total Xylenes	1-1-1 TCA	Cadmium	Chromium	Lead	Nickel	Zinc
	Analytical Method:		8015M	8015M	8015M	5520E,F	8020	8020	8020	8020	8240	AA	AA	AA	AA	AA
MW-1 2-23-93	SS1-TNT	5-6.5	ND<10	ND<10	170	460	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.015	0.84	6.1	120	4.4	760
	SS2-TNT	10-11.5	ND<10	ND<10	ND<10	ND<50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.2	54	6.4	30	59
MW-1R 5-25-93	SS-3-TNT	4-5.5	ND<0.50	ND<10	ND<10	ND<50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.2	46	2.8	21	24
	SS-4-TNT	9-10.5	ND<0.50	ND<10	ND<10	ND<50	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.01	0.27	67	3.0	38	30
	STLCs:											1.0	5	5	20	25

NOTES:
Soil chemistry values presented in milligrams per kilogram (parts per million [ppm]).
TPH = total petroleum hydrocarbons
ft-bgs = Feet below ground surface.
AA = Atomic absorption/ICAP - EPA Methods 7000/6010/200.7
1,1,1-TCA = 1,1,1-Trichloroethane
Samples SS1-TNT and SS2-TNT were collected on February 23, 1993 and samples SS-3-TNT and SS-4-TNT collected on May 25, 1993
All other concentrations of Volatile organic compounds (using EPA method 8240) and semi-volatile organic compounds (using EPA methods 8270) were below method detection limits (see Appendix E)



BURLINGTON ENVIRONMENTAL INC.

SITE PLAN
Former T & T Autobody
610 Oak Street
Oakland, California

Figure 2A

Project No. TNT101/491

Drawn By PPK | Date 7/2/93

Reviewed By : KBL | Date : 7/19/93 | Drawing No. A0645905

Table 2 B
GROUNDWATER ANALYTICAL DATA

Former T & T Autobody
610 Oak Street, Oakland, California

Monitoring Well No.	Date Sampled	Sample No.	TPH Gasoline (ug/l)	TPH Diesel (ug/l)	TPH Motor Oil (ug/l)	TRPH (ug/l)	TOG (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Total Xylenes (ug/l)	Cadmium (ug/l)	Chromium (ug/l)	Lead (ug/l)	Nickel (ug/l)	Zinc (ug/l)
	EPA Analytical Method:		8015m	8015m	8015m	418.1	413.1	602	602	602	602	AA	AA	AA	AA	AA
MW-1*	3/3/93	WS-1-TNT	ND(<50)	ND(<250)	1,900	4,200	NA	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	8.7	1,100	190	880	2,800
MW-1R	5/28/93	WS-3-TNT	ND(<50)	ND(<50)	140	ND(<1,000)	NA	ND(<0.30)	1	ND(<0.30)	ND(<0.50)	15	1,500	15	750	1,300
	9/16/93	WS-5-TNT	ND(<50)	ND(<50)	ND(<100)	NA	NA	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	2	15	ND(<5)	ND(<10)	17
	9/16/93	WS-6-TNT (d)	NA	NA	NA	NA	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/93	MW01-121093	ND(<50)	ND(<50)	ND(<100)	NA	ND(<1000)	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	5.7	28	ND(<3)	ND(<15)	ND(<10)
	12/10/93	DW01-121093 (d)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/8/94	MW01-030894	ND(<50)	ND(<50)	ND(<100)	NA	ND(<1000)	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	ND(<4)	17	ND(<3)	ND(<15)	ND(<10)
	3/8/94	DW01-030894 (d)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/2/94	MW01-060294	ND(<50)	ND(<50)	ND(<100)	NA	ND(<1000)	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	6.6	17	ND(<3)	ND(<15)	ND(<10)
	6/2/94	DW01-060294 (d)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank	3/3/93	TB-1-TNT	ND(<50)	NA	NA	NA	NA	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	NA	NA	NA	NA	NA
	5/28/93	TB-2-TNT	ND(<50)	NA	NA	NA	NA	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	NA	NA	NA	NA	NA
	9/16/93	TB-3-TNT	ND(<50)	NA	NA	NA	NA	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	NA	NA	NA	NA	NA
	12/10/93	TB01-121093	ND(<50)	NA	NA	NA	NA	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	NA	NA	NA	NA	NA
	3/8/94	TB01-030894	ND(<50)	NA	NA	NA	NA	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	NA	NA	NA	NA	NA
	6/2/94	TB01-060294	ND(<50)	NA	NA	NA	NA	ND(<0.30)	ND(<0.30)	ND(<0.30)	ND(<0.50)	NA	NA	NA	NA	NA
California Drinking Water Standards:																
Primary Maximum Contaminant Level			-	-	-	-	-	1	-	680	1750	10	50	50	-	-

Halogenated Volatile Organics (EPA method 601) and Semi-volatile Organics (EPA method 625) were not detected in sample WS-5-TNT or MW01-131093

*	MW-1 decommissioned on April 4, 1993
(d)	Duplicate sample
AA	Atomic Absorption/ICAP - EPA methods 7000/6010/200.7
NA	Not analyzed
ND	Not detected above noted method detection limit
TOG	Total oil and grease
TPH	Total petroleum hydrocarbons
TRPH	Total recoverable petroleum hydrocarbons
ug/l	Micrograms per liter