# **HEALTH CARE SERVICES**

AGENCY



DAVID J. KEARS, Agency Director

Alameda County CC4580 Environmental Health Services 1131 Harbor Bay Pkwy., #250 Alameda CA 94502-6577 (510)567-6700 FAX(510)337-9335

## REMEDIAL ACTION COMPLETION CERTIFICATION

May 29, 1996

Pacific Bell 2600 Camino Ramon Castro Valley, CA 94546 ATTN: Irene Soto

UNDERGROUND STORAGE TANK (UST) CASE
Re:Pacific Bell Facility, 2610 Norbridge Ave., Castro Valley, CA 94546
Site No. 4092

Dear Ms. Soto,

This letter confirms the completion of site investigation and remedial action for the one 10,000-gallon unleaded gasoline underground storage tank formerly located at the above described location. 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 storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please telephone Juliet Shin at (510) 567-6700 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung, Director

c: Acting Chief, Hazardous Materials Division - files Juliet Shin, ACDEH
Kevin Graves, RWQCB
Lori Casias, SWRCB

LOP/Completion

# CASE CLOSURE SUMMARY Leaking Underground Fuel Storage Tank Program

#### I. AGENCY INFORMATION

Date: 2/15/96

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy.

City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700

Responsible staff person: Juliet Shin Title: Senior HMS

#### II. CASE INFORMATION

Site facility name: Pacific Bell Facility

Site facility address: 2610 Norbridge Ave., Castro Valley, CA 94546

RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 4092

URF filing date: 5/26/93 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:

Pacific Bell 2600 Camino Ramon (510)867-5125

Contact: Irene Soto Castro Valley, CA 94546

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

1 10,000 unleaded gasoline removed 5/4/93

#### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown. No holes were observed in tank.

Site characterization complete? YES

Date approved by oversight agency: 2/15/96

Monitoring Wells installed? Yes Number: One

Proper screened interval? Yes

Highest GW depth below ground surface: 4 feet Lowest depth: 5.12 feet

Flow direction: Unknown

Most sensitive current use: Unknown

EDIE NA BZANASO

Are drinking water wells affected? NO Aquifer name: Unknown

Is surface water affected? NO Nearest affected SW name: None

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>	Amount (include units)	Action (Treatment or Disposal w/destination)	<u>Date</u>
Tank	10,000-gallon	Erickson Inc. 255 Parr Blvd. Richmond, CA	5/4/93
Soil#	~250 cubic yards	BFI Sanitary Landfill 4001 N. Vasco Rd. Livermore, CA	7/14/93
Rinsate	150-gallons	Petroleum Recycling Corp 13331 North Hwy 33 Patterson, CA 95363	5/3/93
Groundwater*	2,300-gallons	Petroleum Recycling Corp 13331 North Hwy 33 Patterson, CA 95363	5/5/93

<sup>\*-</sup>groundwater was pumped from the tank pit bottom

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

Contaminant	Soil (p	<b>pm)</b> After	Water () Before <sup>5</sup>	
TPH (Gas)	430 <sup>1</sup>	81	7,900	64
TPH (Diesel)	NA	NA	NA.	
Benzene	$0.022^{2}$	0.022	ND	ND
Toluene	$0.036^{3}$	0.036	ND	ND
Xylene	<b>4</b> ¹	0.264	110	ND
Ethylbenzene	81	0.354	110	ND

<sup>1-</sup>Results from overexcavation soil sample Soil-4

<sup>#-</sup>excavated soil from tank pit

<sup>&</sup>lt;sup>2</sup>-Results from overexcavation soil sample Soil-6

<sup>3-</sup>Results from overexcavation soil sample Soil-9

<sup>4-</sup>Results from overexcavation soil sample Soil-8

<sup>5-</sup>Results from tank pit "grab" groundwater sample

<sup>6-</sup>Results of last quarterly sampling event for Well MW-1

#### 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 Undetermined Regional Board Basin Plan?

Does corrective action protect public health for current land use? YES

Site management requirements: NA

Should corrective action be reviewed if land use changes? NO

Will be decommissioned upon receipt of Monitoring wells Decommisioned: NO case closure.

Number Decommisioned:

Number Retained:

List enforcement actions taken: None

List enforcement actions rescinded:

#### LOCAL AGENCY REPRESENTATIVE DATA V.

Name: Juliet Shin

Signature:

Title: Senior HMS

Reviewed by

Name: Eva Chu

Signature:

Date:

Name: Dale Klettke

Signature:

Title: Hazardous Materials Specialist

5/2/96 Date:

Hazardous Materials Specialist Title:

RWOCE NOTIFICATION VI.

Date Submitted to RB:

RWOCB Staff Name: Kevin Graves

eering Asso. Date:

ADDITIONAL COMMENTS, DATA, VII.

The site is a Pacific Bell equipment storage and maintenance yard. One 10,000-gallon fiberglass unleaded gasoline underground storage tank (UST) was removed from the site on May 4, 1993, and replaced with a 10,000gallon double-walled, steel UST. It appears that this UST was used

primarily for fueling Pacific Bell vehicles (refer to Attachment 1 for Regional Map).

IT Corporation (IT) collected three soil samples (Soil-1 through Soil-3) from the the north, northeast, and southern tank pit sidewalls. These samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and xylenes (BTEX). No contaminants were identified from the north and northeast walls. However, 12 parts per million (ppm) TPHg was identified from the southern wall (Soil-3) (please refer to Attachments 2 and 3 for sample locations, depths, and results). Therefore, this end of the tank pit was overexcavated approximately 10 feet laterally in the southern direction. Three additional soil samples were collected from this overexcavation (Soil-4 through Soil-6). In response to the 430ppm TPHg identified in Soil-4, an exploratory trench was excavated another 12 feet southwest of the Soil-4 sample location, to define the extent of TPHg contamination. Confirmatory soil sample, Soil-7, was collected from 6.5-feet bgs. Analysis of this sample did not identify any contaminants.

A second round of overexcavation was initiated to remove the bulk of soil contamination at the southwest end of the former tank. Three additional confirmatory soil samples, Soil-8 through Soil-10, were collected. Low levels of up to 31ppm TPHg and 0.35ppm benzene were identified in these soil samples.

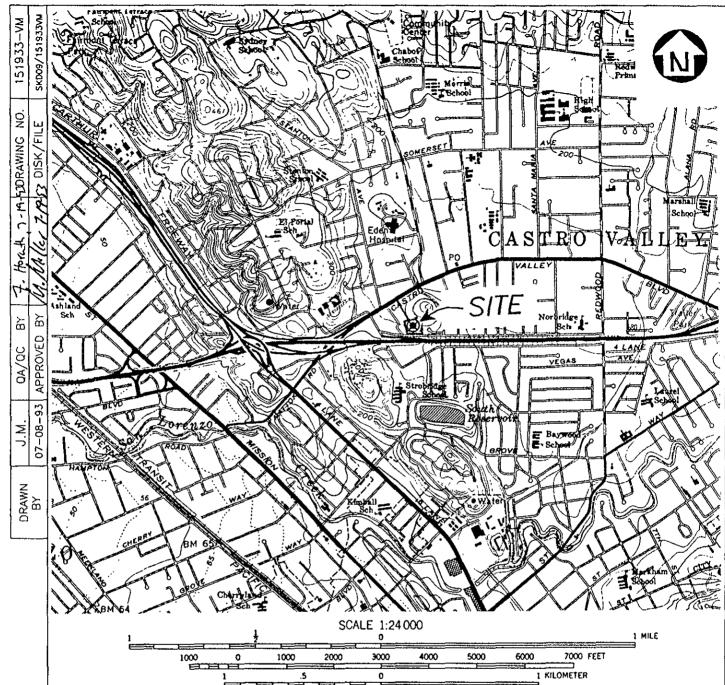
On February 2, 1994, four borings were drilled at the site (SB-1 through SB-3, and MW-1). Monitoring wells were to be constructed in all four borings, however, three borings encountered bedrock material and drill rig refusal prior to encountering groundwater. Therefore, only one monitoring well, MW-1, was installed. This well was installed in the former tank pit excavation through 16 feet of pea gravel (refer to Attachment 4). Borings SB-3 and SB-2 were drilled down to approximately 15-feet bgs before encountering auger refusal in the bedrock. Boring SB-1 was drilled down to approximately 30-feet bgs where it hit refusal in bedrock. No groundwater was observed in soil borings SB-1 through SB-3. Groundwater, however, was identified in MW-1 at approximately 6.5-feet bgs. Well MW-1 is screened from 6 to 16-feet bgs (refer to borings logs-Attachment 5 through 8). No hydrocarbon odor was noted in any of the borings, and no detectable concentrations registered on the Organic Vapor Meter.

Soil samples were collected from borings SB-1 through SB-3 from approximately 7.5-feet bgs. Analysis of these samples for TPHg and BTEX did not identify any contaminants above detection limits (refer to Attachment 9).

Groundwater samples were collected from Well MW-1 for four quarters. Analysis of these samples for TPHg and BTEX only identified up to 74 parts per billion (ppb) TPHg and no BTEX to date (refer to Attachment 10).

Based on the above information, it appears that the site is ready for closure. The low levels of TPHg and BTEX remaining in the soil and groundwater do not appear to pose a human health threat, based on American Society for Testing and Materials' Risk-Based Corrective Action (ASTM RBCA) guidelines. The groundwater samples never identified BTEX, which are the most threatening components of TPHg, and the levels of TPHg identified do not exceed the Central Valley Regional Water Quality Control Board's secondary drinking water standard of 100ppb. Lastly, it appears that the groundwater from MW-1 is limited perched water, due to the observed bedrock beneath the site and the fact that no water was encountered in the borings SB-1 through SB-3.





CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

CALIF QUADRANGLE LOCATION

Figure 1

VICINITY MAP

IT PROJECT No. 151933

PACIFIC BELL FACILITY 2610 NORBRIDGE AVENUE CASTRO VALLEY, CALIFORNIA

PREPARED FOR

PACIFIC BELL SAN JOSE, CALIFORNIA

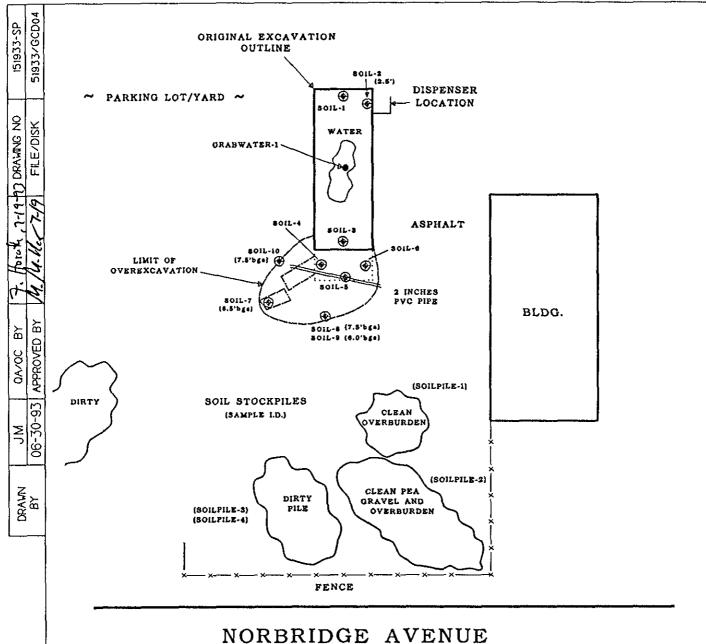


INTERNATIONAL TECHNOLOGY CORPORATION

REFERENCE

UNITED STATES DEPT. OF THE INTERIOR, GEOLOGICAL SURVEY STATE OF CALIFORNIA, HAYWARD QUADRANGLE, 7.5 MINUTE SERIES (TOPOGRAPHIC).





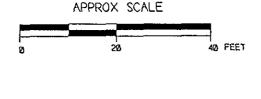


Figure 2

SITE PLAN

IT PROJECT NO. 151933

PACIFIC BELL FACILITY 2610 NORBRIDGE AVENUE CASTRO VALLEY, CALIFORNIA

PREPARED FOR

PACIFIC BELL SAN JOSE, CALIFORNIA



INTERNATIONAL TECHNOLOGY CORPORATION

LEGEND

BOIL-L SOIL SAMPLE (6' bgs, EXCEPT WHERE NOTED) ..... FIRST OVEREXCAVATION

---- EXPLORATORY TRENCH

- BECOND OVEREXCAVATION

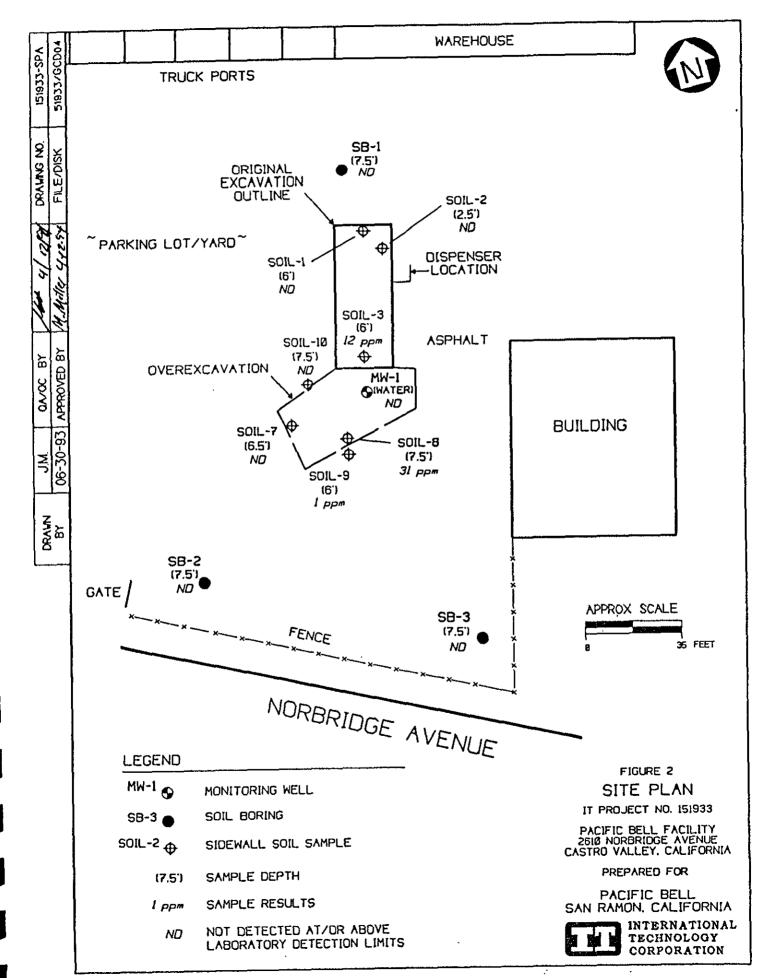
TABLE 1

Excavation So Ground	oil Sample (SOIL dwater sample (C	-1 through S RABWATE	SOIL-9) Result R-1) result rep	s Reported in ported in parts p	arts per million er billion (ppb)	(ppm)
Sample I.D.	Sample Depth¹ (feet)	TPH-G	Benzene	Toluene	Ethyl Benzene	Total Xylenes
GRABWATER-12	9	7,900	ND³	ND	110	110
SOIL-1	6	ND	ND	ND	ND	ND
SOIL-2	2.5	ND	ND	ND	ND	ND
SOIL-3	6	12	ND	ND	ND	ИD
SOIL-4	6	430	ND	ND	8	4
SOIL-5	6	1	· ND	ND	ND	ND
SOIL-6	6	8	.022	ND	.091	.047
SOIL-7	6.5	ND	ND	ND	ND	ND
SOIL-8	7.5	31	ND	ND	.35	.26
SOIL-9	6	.92	ND	.036	ND	.006
SOIL-10	7.5	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup>Sample depth reported in feet below ground surface (bgs).

 $<sup>^2</sup>$ GRABWATER-1 results reported in parts per billion (micrograms per liter,  $\mu g/L$ ).

<sup>&</sup>lt;sup>3</sup>ND - None detected above laboratory detection limits.





O DEPTH IN FEET	SAMPLE NUMBER & INTERVAL	BLOW COUNT	RECOVERY (X)	P 1 D (ppb)	BORING SUMMARY	SOSO	PROFILE	BORING NO. MW-1  FIELD GEOLOGIST: M. MILLER CHECKED BY: M. MILLER GROUND SURFACE EL: N/A TOP OF CASING EL: N/A  DATE BEGAN: 02/02/94  DATE FINISHED: 02/02/94  TOTAL DEPTH: 16 FT. DEPTH TO WATER: 5.2 FT.
10 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -					Protective Box  4° Dia, Sch. 40 cosing  Next Cement  Bentanite Pallets  4° Dia, Sch. 40 Screen .020 Stat  Threaded Cap	FILL		Asphalt and concrete.  Pea gravel — tank fill.  Collecting first sample from first native material.  encountered water at 6.5 feet (BGS)  TOTAL DEPTH 16 FT.  COMMENTS:  Location is within excavated area of tankpit. Lots of water and gravel inside auger.  No sample collected because native material was not encountered.

DRILLING CO.: Kvilhaug Drilling DRILL METHOD: Hollow Stem Auger SAMPLING METHOD: Modified California Split Spoon Sampler

PROJECT NO.: 151933 CLIENT: Pacific Bell LOCATION: 2610 Norbridge Avenue, Castro Valley, California.



FEET	$\neg$	85 J	۳	R	3			.,	BORING NO. SB-1
NORK   MINISTER		SAMPLE NUMBER & INTERVAL	BLOW COUNT	RECOVERY (X)	P I D (ppb)	BORING SUMMARY	nscs	PROFILE	FIELD GEOLOGIST: M. MILLER DATE BEGAN: 02/02/94  CHECKED BY: M. MILLER DATE FINISHED: 02/02/94  GROUND SURFACE EL: N/A TOTAL DEPTH: 30 Feet  TOP OF CASING EL: N/A DEPTH TO WATER: NOT FOUND
1-0					-	(4.)	FILL		2" Asphalt, 10" Roadbase fill.
101111111							ML		Silt: moderate yellowish brown (10YR 5/4), dry.
8	$\exists$			,		100 to 10	CL		CLAY; olive gray (5Y 3/2), damp, very silty.
	=						" 1		becomes grayish olive (10YR 4/2) at 7.0 feet.
- 5	7					Cement — P	 		
	_	\$B-1-5"	27	85	0	A			
							2,		
	$\exists$	SB-1-7.5	65	90	0	- <u> </u>	or A		
							rie VI. An		
- - 10						0.5 2.5 2.5	van Van av		
<u> </u>	$\exists$	SB-1-10'	85		0	. 2009 - 1. 20 - 1. 20 - 1. 20 - 1. 20 - 1. 20	CL		
						ǥDZ ĕ=	35 35 13		(40VP 5/4) dec
F	$\exists$	SB-1-12.5'	65		0		CL		CLAYSTONE; moderate yellowish brown (10YR 5/4), dry hard, highly sheared.
	$\exists$						an. En		
_	Ξ	:				(4) (4) (4) (4)	17.00 17.00		
- 15 -	,	SB-1-15'	72		0				
					-	/48-57 - 200 - 100 (4)			
L	_								
	_								
_ 20	o_					1871 1871 1872 1874	7.7. N.Z.		becoming bedrock, very hard drilling, very dry.
_	_					1. 5.4. 1. 5.4. 2. 5.4. 2. 5.4.	ļā.j PĪ∰		
	_			<b> </b>		7 Mar. 1 200 2 100 2 100			
_	_						74,00 11-1.		, ,
L	_								
F	_	}					A.W.		
	5— —						AAA Maa		COMMENTS:
E	_					10 mg	- 100 - 100 - 100		No water found.
E	_					 	<u> </u>		Boring terminated at 30 feet. Backfilled with grout.
E	_	1				1 m 2 m 2 m 2 m 2 m 2 m 2 m			
F	_	<u> </u>							Hit bedrock— Refusal
<b>L</b> <sub>3</sub>	– م۔۔۔	<u> </u>	<b>_</b>	<del> </del>	↓_		<u> </u>	1777	TOTAL DEPTH 30 FEET

PAGE 1 OF 1

DRILLING CO.: Kvilhaug Drilling DRILL METHOD: Hollow Stern Auger SAMPLING METHOD: Modified California Split Spoon Sampler

PROJECT NO.: 151933

CLIENT: Pacific Bell LOCATION: 2610 Norbridge Avenue, Castro Valley, California.



DEPTH IN FEET	SAMPLE HUMBER & INTERVAL	BLOW COUNT	RECOVERY (X)	P 1 D (ppb)	BORING SUMMARY	SSS	PROFILE	BORING NO. SB-2  FIELD GEOLOGIST: M. MILLER CHECKED BY: M. MILLER GROUND SURFACE EL: N/A TOP OF CASING EL: N/A DEPTH: 16 FT. DEPTH TO WATER: NOT FOUND
30 0	SB-2-15'	85	50	0	Cement	FILL		Gravelly base-rock fill.  CLAY; dark gray (N3), stiff.  SILT; moderate yellowish brown (10YR 5/4), damp.  CLAY; olive gray (5Y 3/2), damp, stiff.  becomes moderate yellowish brown at 11.0 feet.  becoming bedrock  hit claystone bedrock; drill rig refusal.  TOTAL DEPTH 16 FEET  COMMENTS:  No water found. Boring terminated at 16 feet. Backfilled with grout.

DRILLING CO.: Kvilhaug Drilling DRILL METHOD: Hollow Stem Auger SAMPLING METHOD: Modified California Split Spoon Sampler

PROJECT NO.: 151933 CLIENT: Pacific Bell LOCATION: 2610 Norbridge Avenue, Castro Valley, California.



O DEPTH IN FEET	SAMPLE NUMBER & INTERVAL	BLOW COUNT	RECOVERY (X)	P I D (ppb)	BORING SUMMARY	NSCS.	PROFILE	FIELD GEOLOGIST: M. MILLER CHECKED BY: M. MILLER CROUND SURFACE EL: N/A TOP OF CASING EL: N/A DEPTH TO WATER: NOT FOUND
- O -					W 14	FILL		Asphalt and fill.
10-	S8-3-7.5'	71	80	0	Cement grout	CL		CLAY; dark gray (N3), damp, stiff.  CLAY; olive gray (5Y 3/2), damp, very stiff.  becomes moderate brown at 12 ft. hard drilling, becomes bedrock.
	S8-3-15'	50	50	0				hit claystone bedrock; drill rig refusal.
- 20 - 20 - 20 								TOTAL DEPTH 17 FEET  COMMENTS:  No water found.  Boring terminated at 17 feet.  Backfilled with grout.

PAGE 1 OF 1

DRILLING CO.: Kvilhaug Drilling DRILL METHOD: Hollow Stem Auger SAMPLING METHOD: Modified California Split Spoon Sampler

PROJECT NO.: 151933 CLIENT: Pacific Bell LOCATION: 2610 Norbridge Avenue, Castro Valley, California.



TABLE 3

RESULTS OF LABORATORY ANALYSIS
OF SOIL SAMPLES (1)

Sample No.	Depth (2)	<u>Date</u> (ppm)	TPH gasoline (ppb)	Benzene (ppb)	Ethylbenzene (ppb)	Toluene (ppb)	Xylenes (pph)
SB-1(7.5)	7.5	2-2-94	ND	ND	ND	ND	ND
SB-2(7.5)	7.5	2-2-94	ND	ND	ND	ND	ND
SB-3(7.5)	7.5	2-2-94	ND	ND	ND	ND	ND
SSC-1(2-94)	composite of drill cuttings	2-15-94	ND	ND	ND	ND	ND

## Notes:

- 1. Soil samples analyzed for TPH (Total Petroleum Hydrocarbons) as gasoline by LUFT methods utilizing modified EPA Method No. 8015, for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method No. 8020.
- 2. Depth given in approximate feet below ground surface.
- 3. ND = Not Detected above reporting limit.



TABLE 1 MW-1 GROUNDWATER DATA PACIFIC BELL FACILITY NORBRIGE AVENUE, CASTRO VALLEY, CALIFORNIA

	WFI	I SAMPII	NG DATA		ANALYTICAL RESULTS								
WELL I.D.	METT METT	DEPTH TO WATER	ONE CASING VOLUME <sup>2</sup>	VOLUME REMOVED <sup>2</sup>	DATE	SAMPLE I.D.	TPH-G3	BENZENE <sup>3</sup>	TOLUENE <sup>3</sup>	ETHYL BENZENE <sup>3</sup>	XYLENES <sup>3</sup>		
MW-1	15.43	5.12	6.90	21.00	02/15/94	MW-1(2-94)	ND4	ND	ND	ND	ND		
[ [ [ [ ] ] ]	15.45	4.95	7.03	21.10	11/17/94	MW-1(11-94)	ND	ND	ND	ND	ND		
	<del></del>	4.00	7.75	23.25	02/15/95	MW-1(2-95)	74	ND	ND	ND	ND		
	15.57	4.32	7.55	23.00	05/19/95	MW-1(5-95)	64	ND	ND	ND	ND		

## NOTES:

DEPTH<sup>1</sup> In feet

VOLUME<sup>2</sup> In gallons

TPH-G<sup>3</sup> Total Petroleum Hydrocarbons as Gasolne

-Laboratory results reported in µg/i (pars per billion)

ND4 Not detected at/or above laboratory detection limit