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) 567-6777

<u>April 3, 1996</u>

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Bob Reagan KTVU, Inc. 2 Jack London Square Oakland, California 94623

RE: KTVU, Inc. - 2 Jack London Square, Oakland, CA 94623

STID# 930

Dear Mr. Reagan:

This letter confirms the completion of site investigation and remedial action for the two underground storage tanks (1 - 4,000 gallon diesel and 1 - 10,000 gallon gasoline) removed on August 5, 1993 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 two underground storage tanks 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). If a change in the present land use is proposed, the property owner must promptly notify this agency.

Please contact Susan L. Hugo at (510) 567-6780 if you have any questions regarding this matter.

Sincerely,

Jun Makushim

Jun Makishima, Interim Director

Enclosure

c: Gordon Coleman, Acting Chief, Environmental Protection - files Kevin Graves, RWQCB Mike Harper, SWRCB (with enclosure)

CAUPORNIA REGIONAL WATER

DEC 2 6 1995

CASE CLOSURE SUMMARY GRADING BOARD

Leaking Underground Fuel Storage Tank Program

AGENCY INFORMATION I.

Date: December 5, 1995

Agency name: Alameda County-HazMat City/State/Zip: Alameda, CA 94502

Address: 1131 Harbor Bay Parkway

City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700 Responsible staff person: Susan Hugo Title: Sr. Hazardous M

Sr. Hazardous Materials Spec.

CASE INFORMATION II.

Site facility name: KTVU Television

Site facility address: 2 Jack London Square, Oakland, CA 94623

RB LUSTIS Case No: N/A

Local Case No./LOP Case No.: 930

URF filing date: 8/4/93

SWEEPS No: N/A

Responsible Parties:

Addresses:

Phone Numbers:

KTVU c/o Mr. Bob Reagan 2 Jack London Square Oakland, CA 94623

<u>Tank</u>	<u>Size in</u>	Contents:	<u>Closed in-place</u>	<u>Date:</u>
No:	<u>gal.:</u>		or removed?:	
1	10,000 gal	Gasoline	Removed	8/5/93
2	4,000 gal	Diesel	Removed	8/5/93

RELEASE AND SITE CHARACTERIZATION INFORMATION III.

Cause and type of release: Unknown, probably from overfilling

Site characterization complete?

Date approved by oversight agency: 11/18/93

Monitoring Wells installed? YES Number: Three (3)

Proper screened interval? YES

Highest GW depth below ground surface: 2.36 feet Lowest depth: 4.24 feet

Flow direction: Predominantly northwest and strongly influenced by tidal

fluctuations

Most sensitive current use: Commercial

Aquifer name: NA Are drinking water wells affected? NO

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 Parkway Alameda, CA 94502-6577

Leaking Underground Fuel Storage Tank Program

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> (include units)	Action (Treatment of Disposal w/destination)	<u>Date</u>
Tank	1 - 10,000 gal 1 - 4,000 gal	Disposed at Erickson, Inc. Richmond, CA	8/5/93
Soil	312 yards	Gibson Environmental Bakersfield, CA	8/13/93 to 9/7/93
Groundwater	42,300 gallons	Evergreen Env. Services Newark, CA	8/10/93 to 8/24/93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup Contaminant Soil (ppm) Water (ppb)

		· (F.E)		•
	Before	<u> After</u>	Before	<u> After</u>
TPH (Gas)	ND <1.0	-	* 1,600	ND <50
TPH (Diesel)	4,600	94	** 100,000	ND <50
Benzene	ND < 0.00	5 -	* 1.2	ND < 0.5
Toluene	6.8	ND < 0.005	* 1.4	ND < 0.5
Xylene	28	8.1	* 5.9	ND < 0.5
Ethylbenzene	9.3	ND<0.005	* 1.8	ND < 0.5

- * Grab groundwater sample from the gasoline tank's excavation.
- ** Grab groundwater sample from the diesel tank's excavation.

Comments (Depth of Remediation, etc.):

Two underground storage tanks (1-10,000 gallon gasoline and 1-4,000 gallon diesel) were removed from the subject site on August 5, 1993. Groundwater was present in both excavation pits. Floating product was also found in the diesel tank excavation. Soil and groundwater samples were subsequently collected from the two excavations. The analytical results of the soil samples collected from the gasoline pit showed low levels of xylene (9.4 ppm) and no detectable level of TPH gasoline, benzene, toluene and ethylbenzene. The soil samples collected from the diesel tank area at 5 feet depth found up to 4600 ppm TPH diesel, 6.8 ppm toluene, 9.3 ppm ethylbenzene, and 28 ppm xylenes. Benzene, however, was not detected in any of the soil samples.

The diesel contamination appeared to be very limited and confined in the soil under the building directly below the ruptured diesel product lines. Overexcavation was conducted where accessible and confirmation soil samples showed low levels of TPH diesel as mentioned above.

Leaking Underground Fuel Storage Tank Program

A total of 42,300 gallons of groundwater was pumped out from both excavations prior to backfilling with clean fill.

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 Decommissioned: NO (will be decommissioned upon approval of case closure)

Number Decommissioned: NONE Number Retained: Three (3)

List enforcement actions taken: NONE

List enforcement actions rescinded: NA

v. LOCAL AGENCY REPRESENTATIVE DATA

Name: Susan L. Hugo Title: Sr. Hazardous Materials Specialist

Signature: Susan & Hugo Date: 12/5/95

Reviewed by

Name: Dale Klettke ___ Title: Hazardous Materials Specialist

Signature: Date: 12/7/9=

Name: Thomas Peacock Title: Sup. Hazardous Materials Specialist

Signature Date: 12/11/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: /2/5/95

RWQCB Staff Name: Keyin Graves

Title: Water Resources Control Engineer

Date: ,//

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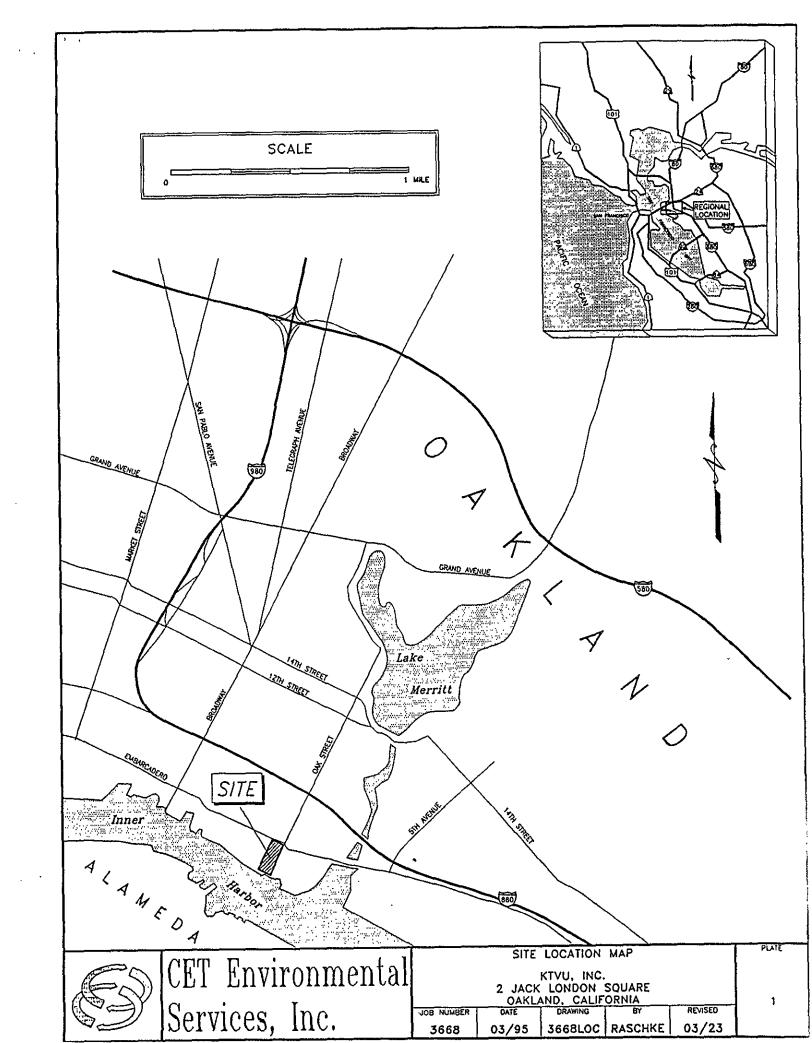
Page 3 of 4

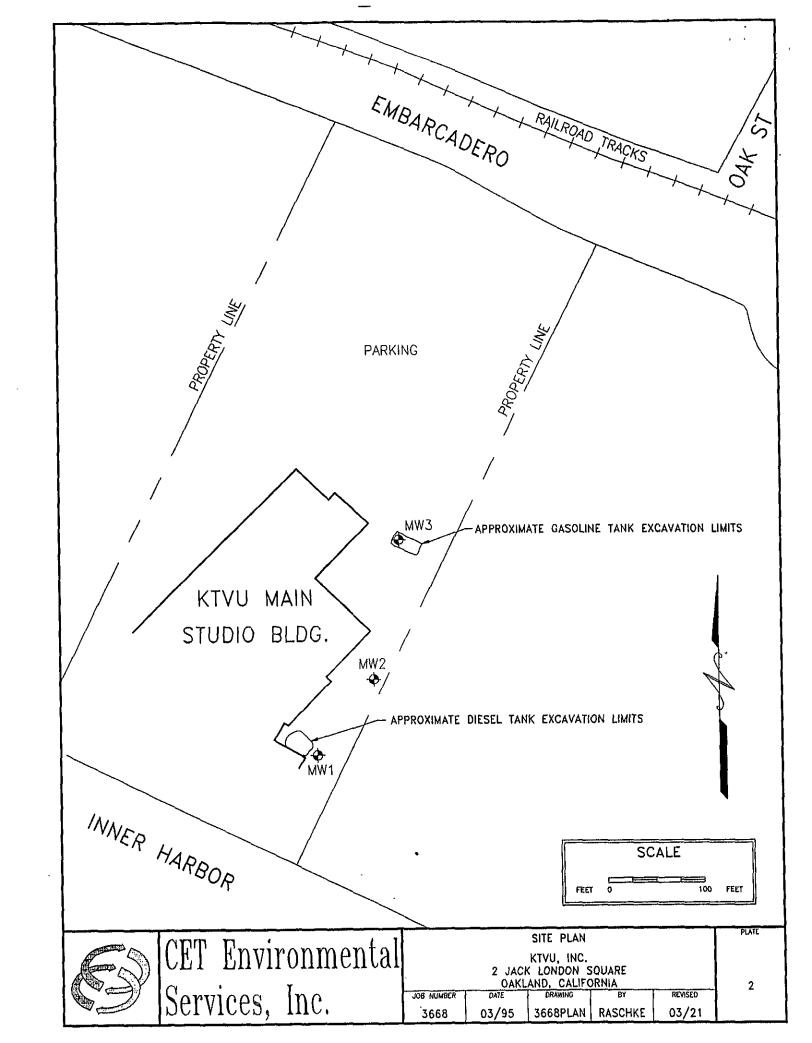
Leaking Underground Fuel Storage Tank Program

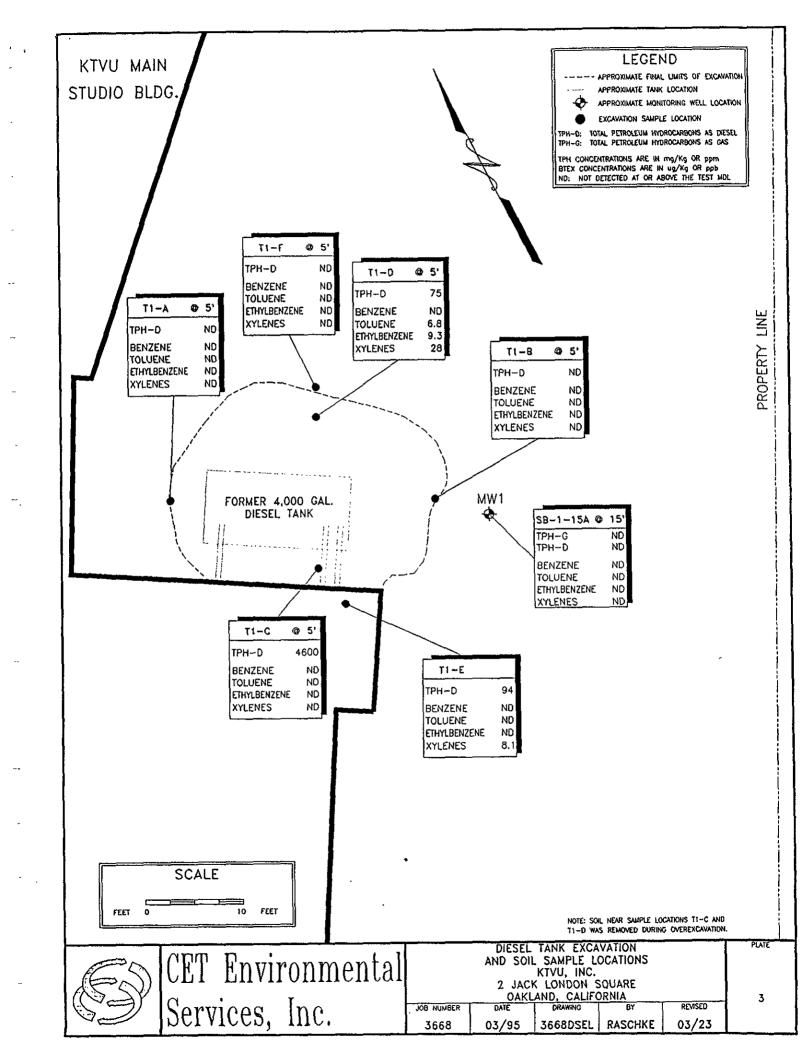
VII. ADDITIONAL COMMENTS, DATA, ETC.

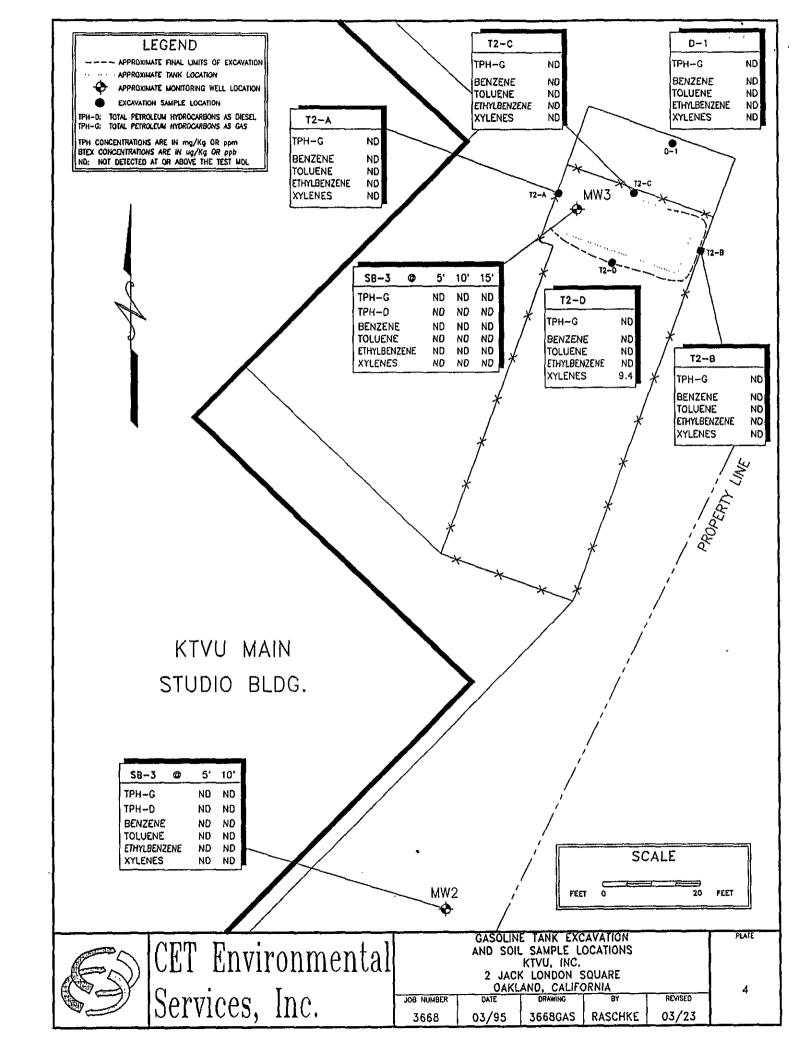
On November 30, 1993, three soil borings were drilled and completed as shallow groundwater monitoring wells at the subject property. The soil samples collected during the installation of the wells did not showed any petroleum hydrocarbon contamination. The three groundwater monitoring wells have been sampled five times (from 12/8/93 to 2/8/95). No TPH diesel, TPH gasoline, or BTEX were detected in the groundwater samples except for well MW-1 where low levels of xylene (0.5 to 2.7 ppb) were found during the first three quarters of sampling.

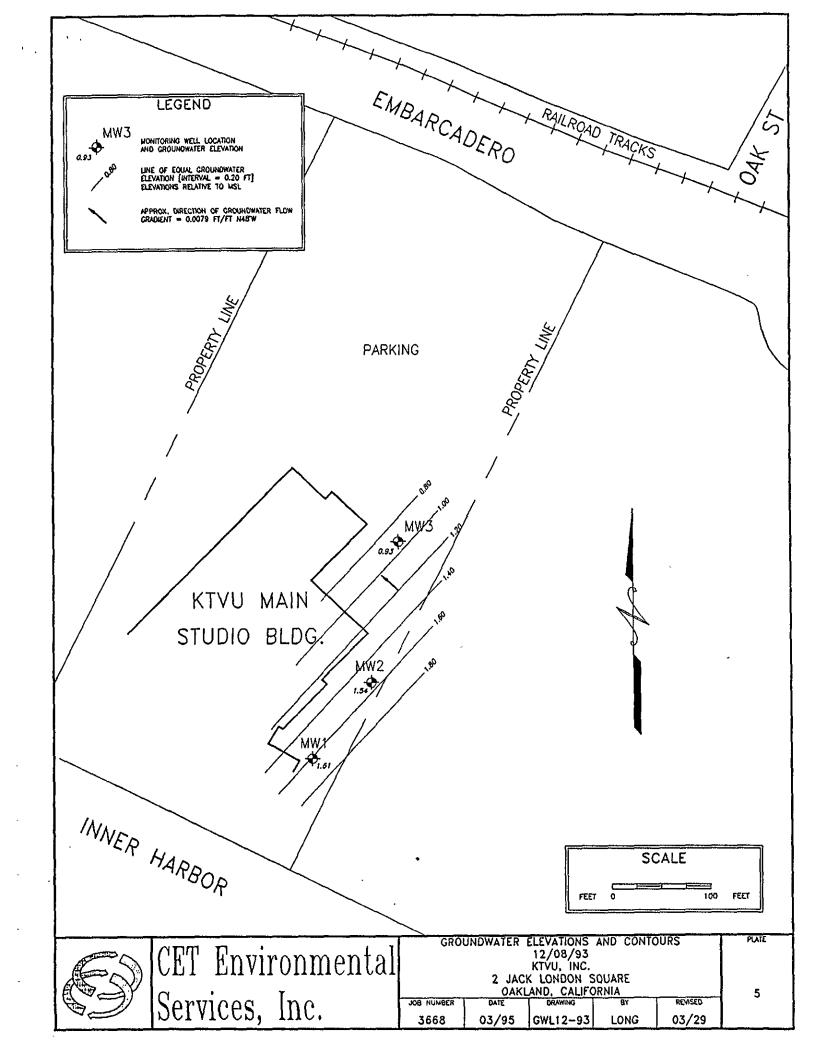
Based on the data submitted for the referenced site, the residual hydrocarbons have not adversely affected the groundwater at the site. Therefore, this agency recommends that no further work is required regarding the two underground storage tanks removed from the subject property.

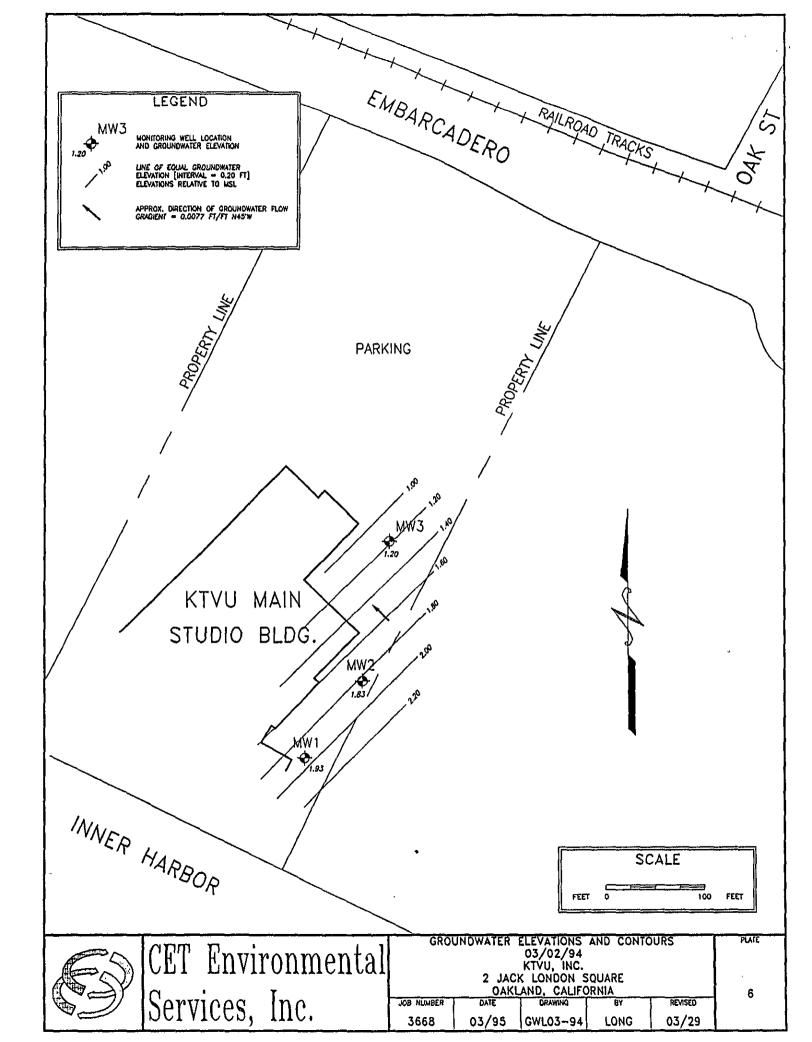


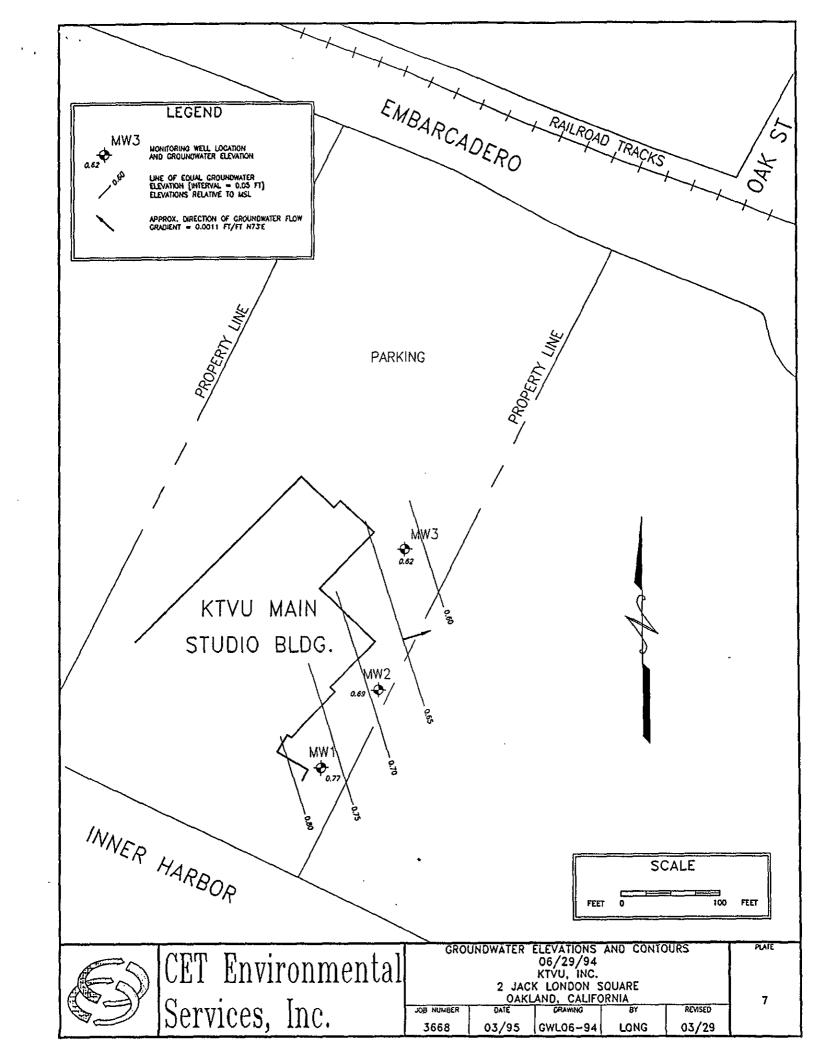


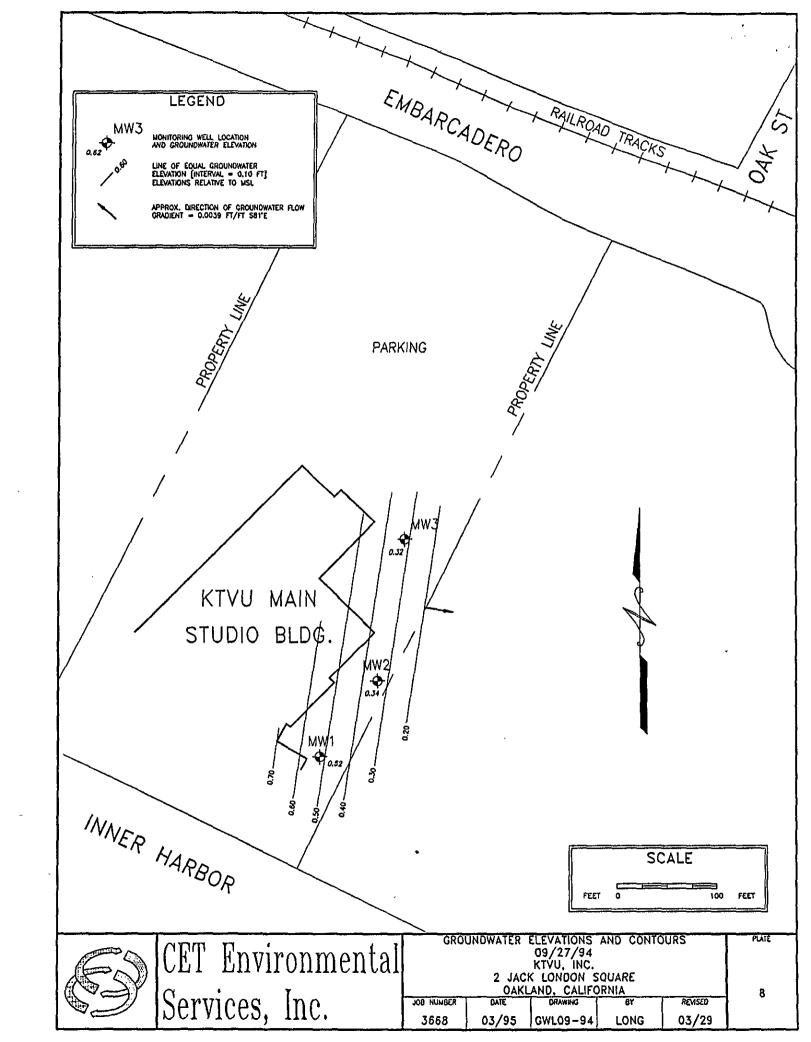












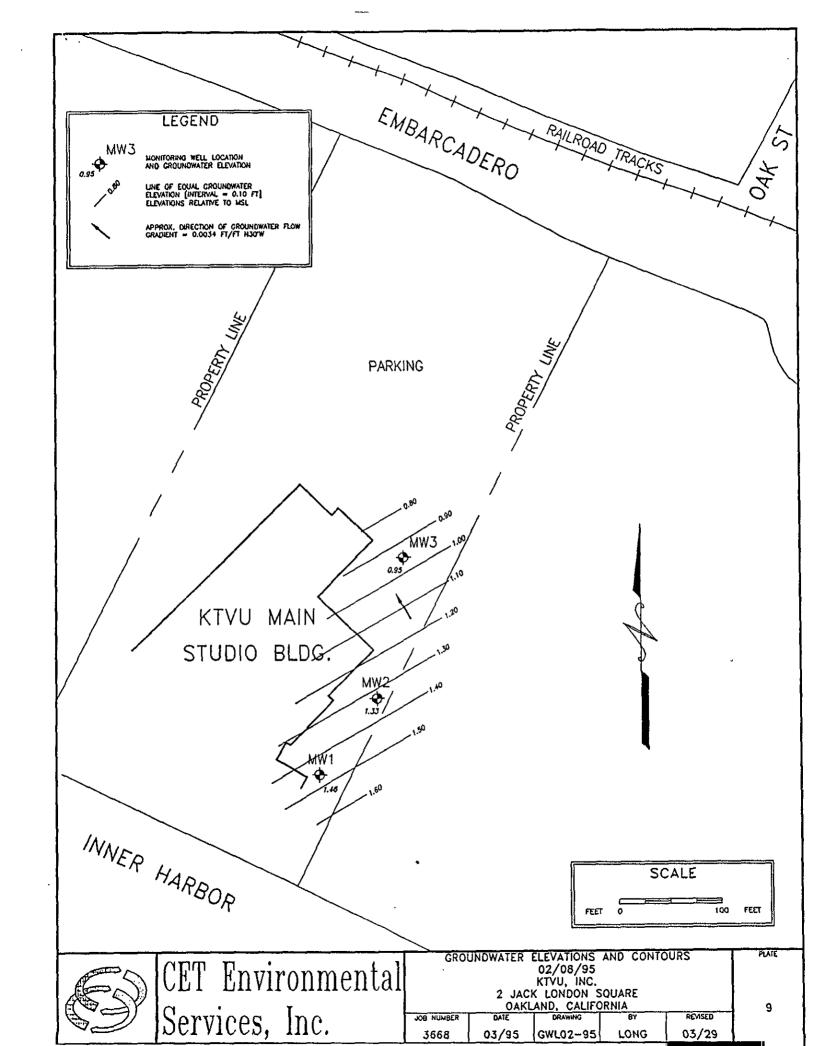




Table 2 - Analytical Results - Quarterly Groundwater Samples Monitoring Wells MW-1, MW-2, and MW-3 2 Jack London Square - Oakland, California

	Sample		Conce	ntration/A	nalyte (µg/	$\mathbf{L})^{1.}$	
Sample ID	Collection Date	TPHg ^{2.}	TPHd ^{3,}	B ^{4.}	T ^{4,}	E4.	X ^{4.}
MW-1	12/8/93	<50	<50	<0.5	<0.5	<0.5	2.7
MW-2		<50	<50	<0.5	<0.5	<0.5	<0.5
MW-3		<50	<50	<0.5	<0.5	<0.5	<0.5
MW-1	3/2/94	<50	<50	<0.5	<0.5	<0.5	2
MW-2		<50	<50	<0.5	<0.5	<0.5	<0.5
MW-3		<50	<50	<0.5	<0.5	<0.5	<0.5
MW-1	6/29/94	<50	<50	<0.5	<0.5	<0.5	0.5
MW-2		<50	<50	<0.5	<0.5	<0.5	<0.5
MW-3		<50	<50	<0.5	<0.5	<0.5	<0.5
MW-1	9/27/94	<50	<50	<0.5	<0.5	<0.5	<0.5
MW-2		<50	<50	<0.5	<0.5	<0.5	<0.5
MW-3		<50	<50	<0.5	<0.5	<0.5	<0.5
MW-1	2/8/95	<50	<50	<0.5	<0.5	<0.5	<0.5
MW-2		<50	<50	<0.5	<0.5	<0.5	<0.5
MW-3		<50	<50	<0.5	<0.5_	<0.5	<0.5

^{1.} $\mu g/L = \text{micrograms per liter, equivalent to parts per billion (ppb)}$

^{2.} TPHg = Total Petroleum Hydrocarbons as gasoline

^{3.} TPHd = Total Petroleum Hydrocarbons as diesel

^{4.} BTEX = benzene, toluene, ethyl benzene, total xylenes

^{5.} NA = not analyzed



Table 3 - Groundwater Elevation Data Monitoring Wells MW-1, MW-2, and MW-3 2 Jack London Square - Oakland, California

Sample ID	Top of Casing Elevation ^{1.} (ft.)	Groundwater Measurement Date	Depth to Water (ft.)	Groundwater Elevation (ft.)
MW-1	4.76	12/8/93	3.15	1.61
		3/2/93	2.83	1.93
		6/29/94	3.99	0.77
		9/27/94	4.24	0.52
		2/8/95	3.3	1.46
MW-2	4.19	12/8/93	2.65	1.54
		3/2/93	2.36	1.83
		6/29/94	3.5	0.69
		9/27/94	3.85	0.34
		2/8/95	2.86	1.33
MW-3	4.35	12/8/93	3.42	0.93
		3/2/93	3.15	1.2
		6/29/94	3.73	0.62
		9/27/94	4.03	0.32
		2/8/95	3.4	0.95

^{1.} Elevation was determined relative to mean seal level (ms1), by a California licensed surveyor.

Project: KTVU Inc.	Apr	plied	Envi	rons	pent	al	Solu	ıtion	s	Page: 1 of 2
Location: Oakland, CA		Cons								Well Number: MW-1
Driller: HEW Drilling Company, Inc.	Grou			0.5			3		ft	Date: November 30, 1993
Method: Hollow Stem Auger		Plug					4		ft.	Logged By: Mark L. Wuest
Sampling Method: Split Spoon	l	Pack					1:		ft	Weather: Clear
Casing Type: PVC	Scre					-	1:		ft	Boring Dia: 8 Inch
Casing Die.: 2 Inch	<u> </u>	t Typ	e: Pc							Boring Depth: 15 Feet
Screen Type: PVC	 	Туре								Completion Depth: 15 Feet
Screen Slot: 0.010 Inch	├	Туре								Depth to Groundwater: Approx. 5 Feet
Street Store and	s	В						В	н	
Lithology	A H P #	E P T H	C	We Ompl		วก	:	S E O F I	0 I S T	Remarks
Asphalt w/ grading material		0					<u> </u>			
Gravel, well sorted, 1/4 inch, light grey, backfill for diesel tank pit		2		G R O U T					DRY	Backfill pea gravel was not sampled
		3 4 5 6 7 8 9 10	॓	SEAL SAND					SATURATED	

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Project: KTVU Inc.	Ap	plied	Environmental Sol	ution	5	Page: 2 of 2
Location: Oakland, CA	Logg	ed By	: Mark L. Wuest			Well Number: HW-1
Driller: HEW Drilling Company, Inc.	Weat	her:	Clear		Date: November 30, 1993	
Lithology	S A M P	D E P T	Well Completion	BLOSS	H O I S T	Remarks
Gravel, well sorted, 1/4 inch, light grey, backfill for diesel tank pit Clay, grey	A	13 -	SAND	3	V E R Y H O I S	
	c	15		1	τ.	
Boring terminated at 15 feet bsg		16 -				
		17				
		18 -		-		
		19 -				
		21 -			 	
		22 -	·			
		23 .				
		24 .	•			
		25. · ·	†		1	
		26 .	†		1	

Project: KTVU Inc.	Ap	plied	Envi	ronme	enta	L Se	lut	ions		Page: 1 of 2
Location: Oakland, CA		Cons								Well Number: MW-2
Driller: HEW Drilling Company, Inc.	Grou			0.5 1			3 ′	,	ft	Date: November 30, 1993
Hethod: Hollow Stem Auger	Seal	Plug		3 1					ft	Logged By: Mark L. Wuest
Sampling Method: Split Spoon	ł	Pack		4 1				1	ft	Weather: Clear
Casing Type: PVC	Scre	en:		5 1	ft	to	15	1	ft	Boring Dia: 8 Inch
Casing Dia.: 2 Inch	Grou	t Typ	e: Po	rtlar	nd I	/[[Boring Depth: 15 Feet
Screen Type: PVC	Seal	Туре	: Ben	tonii	te					Completion Depth: 15 Feet
Screen Slot: 0.010 Inch	Sand	Туре	: #2-	16						Depth to Groundwater: Approx. 4 Feet
Lithology	S A M P #	D E P T	Co	Well B M L O I Smpletion W S T			5	0 1 5	Remarks	
Asphalt W/grading material		0		· 						
Silt w/gravel, dark brown	1		-	G	+	4	+		H.	
		1 .	-	ROUT					IST	
Clay w/fine sand, gray	С	3	-		- I			2	-	
Sand w/clay, medium grained, grey	B	5		SAND				1	SATUAETED	Sample SB-2-5 disturbed, too wet
Clay, grey	C B	9 10 11			၂(S A 4 1 0		0 0	VERY MOIST	

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Project: KTVU Inc.	Ap	plied	Environ	ment	al	Soli	ution	5	Page: 2 of 2
Location: Oakland, CA	Logg	ed By	: Mark L	. VI	lest				Well Number: MW-2
Driller: HEW Drilling Company, Inc.	Weather: Clear							Date: November 30, 1993	
Lithology	S A H P	D E P T H	i	•			B ∟ O ¥ s	H .	Remarks
Boring terminated at 15 feet bag	A B C	12 · 13 · 14 · 15 · 16 · 17 · 18 · 19 · 20 · 21 · 22 · 23 · 24 · 25 · 26 · 26		┡╾┩	SAND		0 0	VERY MOIST	

Project: KTVU Inc.	Αp	plied	Environme	ntal	Sol	utions	3	Page: 1 of 2
Location: Oakland, CA		<u> </u>	truction D					Well Number: MW-3
Driller: HEW Drilling Company, Inc.	Grou		0.5 f		3	1	ft	Date: November 30, 1993
Method: Hollow Stem Auger	Seal	Plug	: 3 f	t t	5 4	1	ft	Logged By: Mark L. Wuest
Sampling Method: Split Spoon	1	- Pack		t to	o 1	5 :	ft	Weather: Clear
Casing Type: PVC	Scre	en:	5 f	t t	o 1	5 .	ft	Boring Dia: 8 Inch
Casing Dia.: 2 Inch	Grou	it Typ	e: Portlan					Boring Depth: 15 Feet
Screen Type: PVC			: Bentonit					Completion Depth: 15 Feet
Screen Slot: 0.010 Inch	 					·		Depth to Groundwater: Approx. 5 Feet
Lithology	S A H P	S D B M L O D I P T Completion W S		Remarks				
Asphalt w/grading Silt w/gravel, dark brown		0		G				
		2 -		R O U T			MOIST	
Sand, medium to coarse grained, yellow	C B			S		3		
Sand, medium grained, well sorted, light grey Clay, grey	A C B A	5 6 7 8 9		N D		0 0 2	SATURATED	

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Project: KTVU Inc.	Ap	plied	Environmental So	ution	3	Page: 2 of 2
Location: Oakland, CA	Logg	ed By	: Mark L. Wuest			Well Number: MW-3
Driller: HEW Drilling Company, Inc.	Veat	her:	Clear		,	Date: November 30, 1993
Lithology	S A H P	D E P T H	Well Completion	8 - 0 - 8	M O I S T	Remarks
Boring terminated at 15 feet bsg	A B C	12 - 13 - 14 - 15 - 16 - 17 - 18 - 20 - 21 - 22 - 23 - 24 - 25 - 26 -	SAND		VERY HOIST	

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