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

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

October 4, 1994
StID # 3692

REMEDIAL ACTION COMPLETION CERTIFICATION

Ms. Susan McCormick
17800 Castleton St., Ste. 586
City of Industry, CA 91748

Re: Union Bank, 460 Hegenberger Rd., Oakland 94621

Dear Ms. McCormick:

This letter confirms the completion of site investigation and remedial action for the 10,000 gallon gasoline and 10,000 gallon diesel underground storage tanks at the above described location.

Based upon the available information and with provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the undeground tank release is required.

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

Please contact Barney Chan at (510) 567-6700 if you have any questions regarding this matter.

Sincerely,

Rafat A. Shahid
Assistant Agency Director

c: Edgar B. Howell, Chief, Hazardous Materials Division-files
Kevin Graves, RWQCB
Mike Harper, SWRCB

RACC460Heg

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date:** 9/06/94

Agency name: **Alameda County-HazMat** Address: **1130 Harbor Bay Parkway, Rm250, Alameda CA 94502**

City/State/Zip: **Oakland** Phone: **(510) 567-6765**

Responsible staff person:Barney Chan Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: Union Bank

Site facility address: 460 Hegenberger Rd., Oakland CA 94621

RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: 3692

ULR filing date: 4/4/91 SWEEPS No: **N/A**

Responsible Parties:	**Addresses:**	**Phone Numbers:**
Ms. Susan McCormack	17800 Castleton St.,Ste 586 City of Industry, CA 91748	

Tank No:	**Size in gal.:**	**Contents:**	**Closed in-place or removed?:**	**Date:**
1	10000	Gasoline	Removed	1/23/91
1	10000	Diesel	Removed	1/23/91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown cause, minimal groundwater

Site characterization complete? Yes

Date approved by oversight agency:

Monitoring Wells installed? YES Number: 3

Proper screened interval? YES

Highest GW depth below ground surface: 2.5′ in MW2 Lowest depth: 8.3′
5.5′ otherwise

Flow direction: Assumed westerly, in regional direction, although the condition of MW-2 does not allow for determination of on-site flow direction. Using the gradient from the Unocal station nearby, a westerly gradient is assumed.

Leaking Underground Fuel Storage Tank Program

Most sensitive current use: Undetermined

Are drinking water wells affected? NO Aquifer name:

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**
80 Swan Wy., Rm 200
Oakland CA 94621

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tanks & Piping	2-10k gallon	Disposed at Erickson	1/23/91
Soil	95 cy	Disposed at Vasco Rd. Livermore	3/25/91

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After
TPH (Gas)	2.3	2.3	7.5	ND
TPH (Diesel)	--	1300	--	0.18
Benzene	0.0072	0.0072	1.1	ND
Toluene	0.0068	0.0068	1.7	ND
Xylene	0.034	0.034	1.5	ND
Ethylbenzene	0.032	0.032	0.0081	ND
Oil & Grease	12000	12000	--	ND
TPH (motor oil)	3700	3700	--	0.280
Other				

Comments (Depth of Remediation, etc.): No overexcavation performed.

IV. CLOSURE

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

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

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

Site management requirements:

Leaking Underground Fuel Storage Tank Program

Should corrective action be reviewed if land use changes? No

Monitoring wells Decommisioned: NO

Number Decommisioned: 0 Number Retained: 3

List enforcement actions taken: None

List enforcement actions rescinded:None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney M. Chan Title: Hazardous Materials Specialist

Signature: Barney M Chan Date: 9/8/94

Reviewed by

Name: Eva Chu Title: Hazardous Materials Specialist

Signature: Eva Chu Date: 9/6/94

Name: Thomas Peacock Title: Sup. Haz Mat Specialist

Signature: Thomas Peacock Date: 9-6-94

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response:

RWQCB Staff Name: K. Graves Title: AWRCE Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

Site Summary for 460 Hegenberger Rd.,94621, Union Bank # 3692

This site had two tanks, one 10k gasoline and one 10k diesel tank. The diesel tank was used for the two emergency generators. A long piping run approximately 300 feet extended from the rear of the building to the front where the generators are located. The two tanks were removed after a diesel convault was installed to replace the diesel tank.

10/31/90 The piping run from the diesel tank to the two generators was removed and sampled. Ten soil samples were taken from beneath the piping run at approximately 1/30'. No corrosion in piping, no stained soils or odorous soils were noticed by the inspector, Cynthian Chapman. Results of the soil samples detected as high as 1300 ppm motor oil / diesel mixture. The laboratory noted that hydrocarbon identified appears to be waste oil and waste oil plus lighter hydrocarbons similar to those seen in diesel fuel.

12/7/90 The piping run was resampled due to the conflicting observed versus analytical results. Again 10 soil samples were taken beneath the piping run. The results found up to 670 ppm of material in the motor oil range plus some in the diesel range. Again the laboratory, PACE, commented that what was reported as diesel in these soil samples contains what appears to be waste oil and lighter hydrocarbons in the diesel range. The laboratory also reported that one sample contained material between the diesel and motor oil range and another sample contains "hydrocarbons heavier than diesel" though they reported this sample's concentration as diesel.

1/23/91 One 10k gasoline and one 10k diesel tank removed. The tanks were single walled FG with no apparent holes. Two soil samples from the south end of the tanks and two water samples from the tank pits were taken. The soil sample from the diesel tank end detected ND of diesel and ND, 0.023, 0.0072 & 0.052ppm for BTEX. The soil sample from the gasoline tank end detected 2.3 ppm gas, and 0.0072,0.0068, 0.032 and 0.034 ppm BTEX. The groundwater samples detected as high as 7.5 mg/l gasoline, 1.1, 1.7. 0.0081 & 1.5 ppm BTEX. Apparently diesel was not analyzed on the water samples.

4/4/91 Cynthia Chapman wrote a request for a work plan for subsurface investigation and filed the ULR.

4/22/92 B. Chan wrote again requested for a work plan for subsurface investigation.

3/3/93 Applied Geosciences Inc. prepared a report entitled, **Historical Review and Subsurface Investigation 460 Hegenberger Rd. Oakland, California.** This historical review of this site states the following:

1. Research of sites in this area reveal a southwesterly groundwater gradient, towards the Bay.

2. The shallow groundwater in this area is of poor quality and not likely to be used for its designated beneficial uses. It is noted that TDS was never run on the groundwater samples.

3. Aerial photos indicate that this site had been filled. Historical maps indicate that this site was previously a marsh and wetland area.

4. Through an interview of the previous landowner, Mr. Leo Freschi, he stated that in 1950 the site was raised 2-3 feet with material from the quarry on Seminary Ave. near Interstate 580. Therefore, the likelihood of background fill material is high.

6/23/92 Received a workplan for borings and three monitoring wells. This workplan was accepted and performed on 9/17/92. Because of the conflicting results of the piping samples versus the analytical data, three borings nearly 300 feet away from the former tank pit were advanced to be used as "background" samples (B1-B3). Two borings were advanced within the area of the former piping run and three wells were installed. Due to physical constraints, MW2 was installed within the backfill of the former gasoline tank.

The results of the background borings were:

B1-2 @6′ 3700 ppm mo, 12000 ppm TOG
B2-2 @6′ 140 ppm mo, 1800 ppm TOG
B3-2 @6′ 41 ppm mo, 750 ppm TOG and borings from the MWs were:

MW1-1-2 @4′ 1500 ppm mo, 2800 ppm TOG
MW3-1-2 @3′ 240 ppm mo, 670 ppm TOG.
TPHg, TPHd and BTEX were not detected in any soil samples. The water samples were all ND except for MW-2 (installed within the gasoline tank backfill) which detected 0.067 ppm gasoline and 0.0025, 0.0005, ND and 0.002 ppm BTEX.

Gradient is distorted due the MW-2 being installed within the gasoline tank backfill. Its GW elevation was over 4' higher that the other two wells, therefore, site specific gradient was never calculated at this site.

The Unocal station, approximately 400' feet away, has consistently shown a westerly gradient. Although there are no apparent downgradient wells, MW-2 within the gasoline tank pit, should provide representative data to evaluate groundwater quality.

Four additional groundwater sampling events have occurred since the tank installation with the attached results.

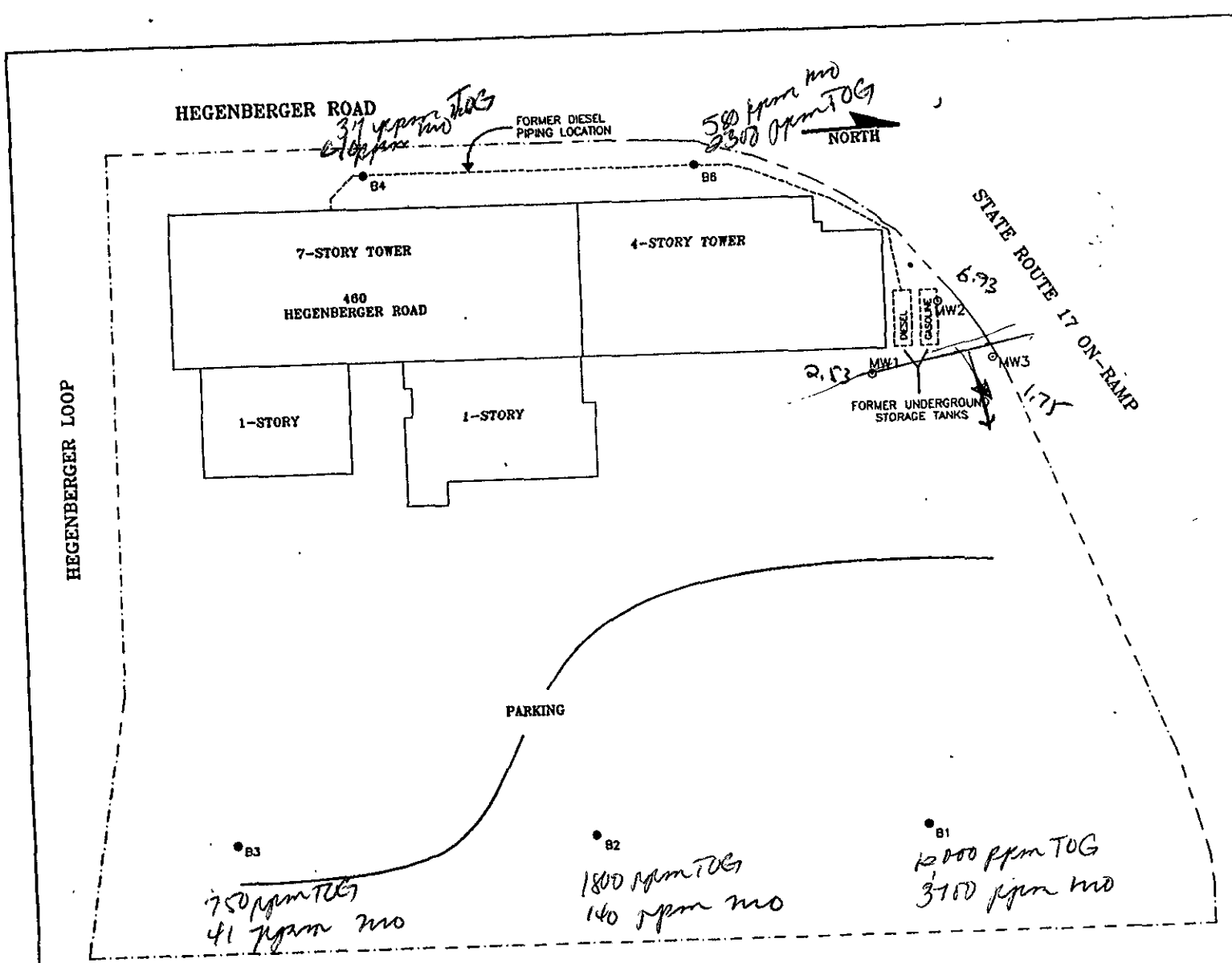
Although it is evident that motor oil contamination exists at this site, it is apparent that little gasoline, diesel, motor oil or BTEX exists in groundwater. The threat to the groundwater is low.

TABLE 1
SAMPLE ANALYTICAL RESULTS (1)

Well No.	Sample Date	TPHg(2)	TPHd(3)	TPHmo(4)	TOG(5)	B(6)	T(6)	E(6)	X(6)
MW1	09/22/92	−50	−50	170	−500	−0.5	−0.5	−0.5	−0.5
	05/26/93	−50	83	130	−500	−0.5	−0.5	−0.5	−0.5
	08/25/93	−50	−50	170	−500	−0.5	−0.5	−0.5	−0.5
	11/29/93	−50	−50	110	−500	−0.5	−0.5	−0.5	−0.5
	03/01/94	−50	180	−100	−500	−0.5	−0.5	−0.5	−0.5
MW2	09/22/92	67	−50	180	−500	2.5	0.5	−0.5	2.0
	05/26/93	−50	92	160	−500	0.9	−0.5	−0.5	−0.5
	08/25/93	−50	−50	140	−500	0.6	−0.5	−0.5	−0.5
	11/29/93	−50	−50	170	−500	−0.5	−0.5	−0.5	−0.5
	03/01/94	−50	−50	240	−500	−0.5	−0.5	−0.5	−0.5
	08/10/94	N/A	170	280	N/A	−0.5	−0.5	−0.5	−0.5
MW3	09/22/92	−50	−50	−50	−500	−0.5	−0.5	−0.5	−0.5
	05/26/93	−50	56	67	−500	−0.5	−0.5	−0.5	−0.5
	08/25/93	−50	−50	58	−500	−0.5	−0.5	−0.5	−0.5
	11/29/93	−50	−50	−100	−500	−0.5	−0.5	−0.5	−0.5
	03/01/94	−50	−50	−100	−500	−0.5	−0.5	−0.5	−0.5

Notes:

1. Sample analysis is summarized below; groundwater results are presented in micrograms per liter; the negative (−) symbol represents compound not reported in concentrations greater than the value presented. N/A = not analyzed for given constituent.
2. TPHg = Total petroleum hydrocarbons as gasoline analyzed in general accordance with modified Environmental Protection Agency (EPA) Method No. 8015 following sample purge and trap by EPA Method No. 5030.
3. TPHd = Total petroleum hydrocarbons as diesel analyzed in general accordance with EPA Method 3550 using a diesel standard.
4. TPHmo = Total petroleum hydrocarbons as motor oil analyzed in general accordance with EPA Method 3550 using a motor oil standard.
5. TOG = Total oil and grease analyzed in general accordance with Standard Method 5520BF.
6. B = benzene; T = toluene; E = ethylbenzene; X = xylenes; all analyzed in general accordance with modified EPA Method 8020.



EXPLANATION

MW — MONITORING WELL LOCATION

B — SOIL BORING LOCATION

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. BASE MAP FROM:

   SITE PLAN – PLUMBING: UNION BANK PLAZA, FRANCIS R. HOFFMAN AND ASSOCIATES, 7 JANUARY 1974.

   SITE PLAN – SHEET A–2: UNION BANK PLAZA, FRANCIS R. HOFFMAN AND ASSOCAITES, 28 JANUARY 1981.

0 10 50 100
SCALE, FEET

APPLIED GEOSCIENCES INC.
Environmental Consultants

MONITORING WELL/SOIL BORING LOCATION MAP AND SITE PLOT PLAN

PROJECT NO. A922358 | FIGURE