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REPORT ADDITIONAL SUBSURFACE ENVIRONMENTAL INVESTIGATION

Chevron Service Station No. 9-0329 340 Highland Avenue Piedmont, California

Prepared for:

Mr. Kenneth Kan Chevron U.S.A. Products Company 2410 Camino Ramon San Ramon, CA 94583-0804 6-25-93

Prepared by:

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June 25, 1993



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ADDITIONAL SUBSURFACE ENVIRONMENTAL INVESTIGATION REPORT

Chevron Service Station No. 9-0329 340 Highland Avenue Piedmont, California

for

Chevron U.S.A. Products Company

1.0 INTRODUCTION

At the request of Chevron U.S.A. Products Company (Chevron), RESNA Industries (RESNA) conducted a subsurface environmental investigation at Chevron Service Station No. 9-0329, located at 340 Highland Avenue in Piedmont, California (Plate 1). Chevron's scope of work performed by RESNA during this investigation included engaging a concrete coring service prior to drilling at the site, advancing four soil borings using a hand-held auger, installing new temporary groundwater monitoring well casing in borings, sampling soil and groundwater, submitting selected soil and groundwater samples for laboratory analyses, removing temporary well casing from the borings following collection of groundwater samples, performing a survey of water wells in the site vicinity, performing an off-site source investigation, and preparing this report. The purpose of this investigation was to evaluate whether petroleum hydrocarbons are present in soil and groundwater adjacent to the site.

2.0 BACKGROUND

2.1 Previous Work

We understand from conversations with Chevron personnel that previous environmental investigations have been performed at the site. Gettler-Ryan installed four groundwater monitoring wells (C-1 through C-4) in January 1983. GeoStrategies Inc. drilled six exploratory soil borings at the site in November 1990. Concentrations of gasoline hydrocarbons have been detected in groundwater samples collected from monitoring well C-2, located adjacent to the waste oil underground storage tank.

2.2 Water Well Survey

At the request of Chevron, RESNA personnel conducted a search of water-well records on file at the California Department of Water Resources (DWR) in Sacramento. According to DWR files,



there are 46 water wells within a one mile radius of the project site. Data pertaining to the identified water wells is presented in Appendix A. Additional wells undocumented by the DWR may be present in the site vicinity.

3.0 FIELD INVESTIGATION

3.1 Site-Specific Health and Safety Plan/ Background Review/ Permitting

RESNA prepared a Site-Specific Health and Safety Plan required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The Site-Specific Health and Safety Plan was prepared by RESNA personnel following a review of site conditions with the project manager. The document was reviewed by all RESNA project and field personnel, and subcontractor personnel performing work at the site.

RESNA conducted the investigation in accordance with RESNA Work Plan No. 170105.01 (dated April 27, 1993). The work plan was prepared following review of pertinent technical information. Mr. Dan Richardson of the City of Piedmont Department of Public Works reviewed RESNA's work plan (dated April 6, 1993) and granted permission to drill off-site soil borings and install temporary monitoring wells in the borings. Permit applications were not required by the City of Piedmont to drill soil borings and install temporary monitoring wells in the City right-of-way. RESNA's standard methods for conducting field investigations are described in Appendix B.

3.2 Hand-Augered Soil Borings and Sampling

On April 28, 1993, RESNA's geologist used a hand-held auger to advance four soil borings (B-1 through B-4). The locations of these borings were selected by Chevron and are shown on Plate 2. Soil Boring B-1 was advanced to a depth of approximately 2.5 feet below grade to auger refusal. Soil borings B-2 though B-4 were advanced to a depth of approximately 5 feet below grade. Prior to collecting each soil sample, and between each boring, our geologist decontaminated the hand auger to minimize the possibility of cross-contamination. Our geologist logged the earth materials encountered during hand-augering using the Unified Soil Classification System. Logs of borings B-1 through B-4 are presented in Appendix C. Drill cuttings from each hand-augered boring were placed on plastic sheeting pending characterization and disposal.

During hand-augering of soil borings B-1 through B-4 our geologist used a hand-operated percussion sampling device to collect soil samples. RESNA collected soil samples from the borings at depths ranging from 2.5 to 5.0 feet below grade.

3.3 <u>Temporary Monitoring Well Construction and Sampling</u>

After advancing the hand-held auger to approximately one foot below the first encountered groundwater in borings B-2 and B-4, a temporary ground-water monitoring well was placed into each boring. Temporary monitoring wells were constructed of schedule 40, flush-threaded, 2-inch diameter blank casing, and well screen with 0.010-inch slots. After placing a temporary well in each boring, RESNA's geologist used a cleaned Teflon bailer to collect a water sample for subjective analysis; no free phase product or sheen was detected in the groundwater samples collected for subjective analysis from temporary wells in borings B-2 and B-4. After collecting a groundwater sample for subjective

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analysis, our geologist bailed approximately 5 gallons of groundwater from the temporary wells in borings B-2 and B-4, then allowed each well to recharge an amount sufficient to collect a groundwater sample. Each sample was acidified, labeled, and placed on ice in an insulated container for delivery under chain-of-custody protocol to a California-certified laboratory. Water bailed from each temporary well was retained on site in a DOT-approved 55-gallon drum pending disposal.

4.0 SITE CONDITIONS

4.1 Geology and Hydrogeology

Unconsolidated sediments beneath the site consist primarily of silt and sand. Bedrock was encountered in borings B-1 and B-3 at depths of 2.5 and 5.0 feet, respectively. Descriptions of the materials encountered are shown on the boring logs. Groundwater was first encountered in a silt at an approximate depth of 3.75 feet below grade, and in a sand at an approximate depth of 3.5 feet in borings B-2 and B-4, respectively. Groundwater was not encountered in borings B-1 and B-3.

5.0 LABORATORY ANALYSES

Four soil samples collected from the hand-augered soil borings were selected for laboratory analysis. Each sample was analyzed for total petroleum hydrocarbons as gasoline (TPHg) using Environmental Protection Agency (EPA) Method 8015 (modified for gasoline) and benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8020.

6.0 LABORATORY ANALYTICAL RESULTS

6.1 Soil

Results of soil sample analyses are summarized in Table 1. Laboratory analytical reports are included in Appendix F. Concentrations of TPHg and BTEX were not detected in soil samples collected from off-site borings B-1 through B-4.

6.2 Groundwater

Concentrations of TPHg and BTEX were not detected in groundwater samples collected from temporary monitoring wells constructed in off-site borings B-2 and B-4. Results of groundwater sample analyses are summarized in Table 2; laboratory analytical reports are included in Appendix D.

7.0 LITERATURE SEARCH/OFF-SITE SOURCE POTENTIAL

Chevron requested that RESNA evaluate potential offsite sources of petroleum hydrocarbons. RESNA utilized the environmental record search firm BBL, of Solana Beach, California, to identify sites within one mile of the site that have had reported releases of hazardous substances to the subsurface or have the potential for such releases. Information provided by BBL was obtained from databases maintained by the California Environmental Protection Agency, Department of Toxic Substances Control; the California State Water Resources Control Board; the U.S. Environmental Protection Agency; and the Alameda County Health Services Agency, Environmental Health Department. BBL's report, including a map of existing and potential release sites, is included as Appendix F. One site within approximately 200 feet of Chevron Service Station No. 9-0329 was

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listed on the Leaking Underground Storage Tank Information System maintained by the State Water Resources Control Board. This site was identified by BBL as Piedmont City Hall, located at 120 Vista Avenue. According to information in BBL's report, no action has been taken beyond reporting a diesel fuel leak at Piedmont City Hall.

RESNA also contacted the City of Piedmont Fire Department to check for additional potential off-site source information. The City of Piedmont Fire Chief, Mr. Dave Christensen, indicated that a **Phillips** 66 service station was located at 345 Highland Avenue until approximately 1978. No information regarding possible unauthorized releases is available from the Piedmont Fire Department. Bank of America currently occupies the building at this location.

Other potential off-site sources of petroleum hydrocarbons within a one-mile radius of Chevron service station #9-0329 are indicated in Appendix E.

8.0 LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was performed. This investigation was conducted solely for the purpose of evaluating environmental conditions of soil and ground water beneath the site. No soil engineering or geotechnical recommendations are implied or should be inferred. Evaluation of the geologic conditions at the site for the purpose of this investigation is made from a limited number of observation points. Subsurface conditions may vary away from the data points available.

9.0 REFERENCES

RESNA Industries Inc., April 6, 1993. Work Plan for Evaluation of Soil and Groundwater at Chevron Service Station No. 9-0329, 340 Highland Avenue, Piedmont, California. RESNA Job No. 170105.01W

RESNA Industries Inc., April 27, 1993. Site Safety Plan for Soil Boring and Monitor Well Installation at Chevron Service Station No. 9-0329, 340 Highland Avenue, Piedmont, California. RESNA Job No. 170105.01SS

BBL, May 11, 1993. Environmental Record Search, 340 Highland Avenue, Piedmont, California.

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Table 1

SOIL ANALYTICAL RESULTS Chevron Service Station No. 9-0329 340 Highland Avenue Piedmont, California

Sample Number	Date Sampled	Benzene	Toluene	Ethyl- benzene	Total Xylenes	ТРНg
S2.5B1 S3.0B2 S3.0B3 S2.5B4	4/28/93 4/28/93 4/28/93 4/28/93	<0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005	<0.005 <0.005 <0.005 <0.005	<0.015 <0.015 <0.015 <0.015	<1.0 <1.0 <1.0 <1.0
Cuttings (A-I	O) 4/28/93	<0.005	< 0.005	<0.005	<0.015	<1.0

All results in parts per million (ppm)

TPHg = Total Petroleum Hydrocarbons as Gasoline.

< = Less than the detection limit established by the laboratory



Table 2

GROUNDWATER ANALYTICAL RESULTS

Chevron Service Station No. 9-0329 340 Highland Avenue Piedmont, California

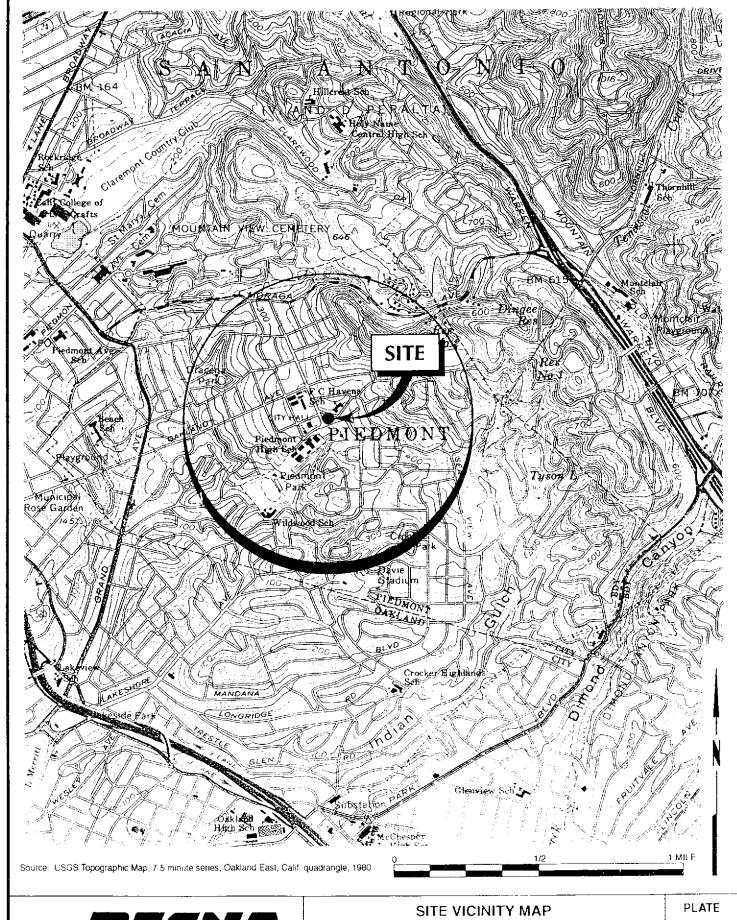
Sample Number	Date Sampled	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPHg
B-1	NS	NA	NA	NA	NA	NA
B-2	4/28/93	< 0.005	< 0.005	< 0.005	< 0.005	<50
B-3	NS	NA	NA	NA	NA	NA
B-4	4/28/93	< 0.005	< 0.005	< 0.005	< 0.005	<50

All results in parts per billion (ppb)

TPHg = Total Petroleum Hydrocarbons as Gasoline.

NS = Not Sampled (groundwater not present above bedrock) TPHg = NS =

Not Analyzed NA =

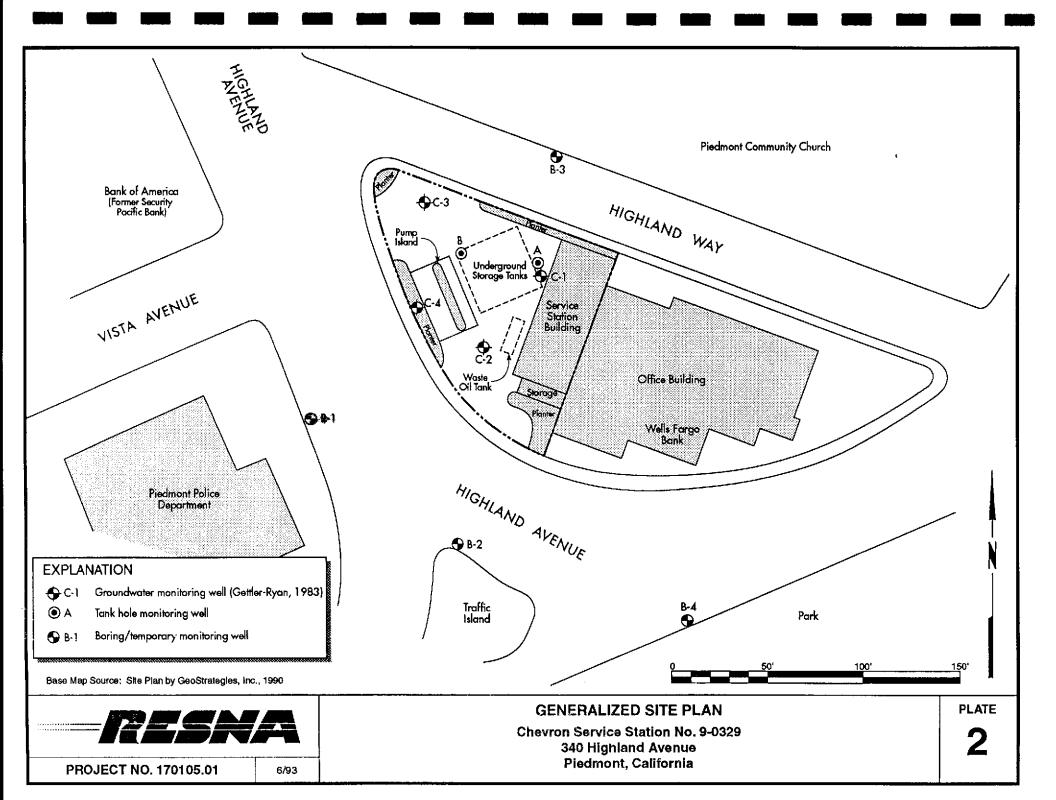




PROJECT NO. 170105.01

3/93

Chevron Service Station No. 9-0329 340 Highland Avenue Piedmont, California 1



APPENDIX A

WATER WELL INVENTORY

Inventory of Wells Lo	ocated in Township 1> Range	3V Section 17,19, Count	y Alameda
		30,29,20,18	Year
Owner	Owner's Address	Well Location	Drilled Use
@ r. 6. :	4801 Oakput St Comment	SOFTO Cockrone Ave OK	1975 Cathoclic
E GMCD	2130 Addition 51	5701 Covered Dr	1981 Cathodi
O Mr. Wallow	#7 Highland, Product		1977 Porcsti
* <u>*</u>		132 Dracena St. Pm	1974 Cartuli.
EBIAUS		Grand + Hally Pt.	1972 Ceth 2
Cay of Condont		Dracena Parlem	1977. Irrig.
1.		14	11 31
E OH JO		Crard Ave a Holly Pl	1982 CATA
John B. Bother Dry	125 Willside Ave, Pt.	7	55 IVV 77 Pon.
Traulste	324 El Carrito		77 Pon.
Alline	304 fill side		77 Don
That Heatelman	321 Hill side		91 Don.
Trade Adams	781 Highland Ave Pt		77 Don
The state of	High and a Val Vista		91 Don 77 Don 77 Trr 58 Don.
the Forest services	151 Hazel Lan 14		<u> 59</u> Don.
Thomas B. Crowley	55 Hazel La Pt.		85 Irv.
Ala: B. Dachs	321 Mountain N.O F		88 In.
Ernest J Surrelland	321 Hillside P		77 Don. 91 Don. 91 Don. 77 Don. 77 Don. 77 Trr 59 Don. 77 Trr. 79 Trr. 71 Trr. 71 Trr. 71 Trr. 71 Trr. 71 Trr. 71 Trr.
Albert Hermins	1600 Fernand OK		91 Irv
<u>EBMUD</u>		Mexiculton Rd & Harbord Dr	86 Cath,
Robert Green	6017 Lasalle Montelair		77 <u> </u>
Gary Tolle	6363 Estates Dr Che		91 Pom
<u> </u>		5980 West Dr.	81 Catu
Pest		Blair De + Mountain Ave	91 Pon 81 Catu 75 Catu 77 Irr. 7000
Bocker Corp	50 Bonle St Son Transito	26 Seaview Pt.	77 In.
Alboe '	445 Maintain Pet, Preduct	E-10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5 - 10.5	? Pone

			40	24,25		
Inventory of Wells Lo	ocated in Townsh	nip <u> R</u> ang	re <u>3W</u> Sec	tion 17,19,	County _	Alameda
				19, 20, 29, 3	ბი	Year
Owner	Owner's	s Address	We	ll Location		rear illed Us
Dr. + Mrs. D. Ernber	37 Bellvue	e Ave Prof	Hapitan			77, Don
Davis	41 Senvie				-	77 Do
Pyre	6 Stavi	در فر				77 Do
Mr. Bortes	20 Bellu	ve "				77 00
Jaia Shuman	444 Mount	air Ne				77 Do
Bothy + Kirk Wasi	2 Seaview	<u> </u>				86 In
D. A. Melcos	42 Glan Al	Dig.	· · · · · · · · · · · · · · · · · · ·			77 Pon
James F Mc Cloud	45 alen A	Upine	1	· · · · · · · · · · · · · · · · · · ·	•	77 Do
EW JAIMCSON		Alpine 1	· · · · · · · · · · · · · · · · · · ·			77 Do
Mr. Melead		111	· · · · · · · · · · · · · · · · · · ·		 -	77 = 1/1
Robb Tory David		1.2.4.1.4.04	1			77 Don
De Cover	46 Sotela	Alve "				<u>89</u> <u>Don</u>
P.G. + E		Robbey Terrace			<u> </u>	74 <u>Car</u>
Shell of Co	B.O. Box 4053	i concard	29 Wild	wood Au. Pl	h	89 Man
11	11	rt			<u>-</u>	59 Mon
in all		Ч	<u> </u>		<u> </u>	100 Moi
h u	<u> </u>	И				77 88 86 77 77 77 77 77 77 77 77 77 7
Martin ().	3669 Crant A	10 104		rand five of		89 Nm 91 Moi
Emoren USA, Ing.		Pirano San Pe				90 Mo
CHE COMMENTER	Edio Cambrida.	tereson) Jan les	Night Sign Co	La Salata Maria, alia di Kamanana and Cal		10 100
						
						
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Din + Downstin In	Train die	Ma Ma		C.11 1.		

APPENDIX B

FIELD PROCEDURES

Soil Borings

Before drilling, RESNA Industries notified Underground Service Alert of our intent to drill so that approximate locations of underground utility lines and structures could be marked. We hand-augered each boring to a depth of approximately 5 feet below grade to attempt to locate underground structures. The borings were drilled with a truck-mounted drill rig equipped with 8-inch-diameter and 10-inch- diameter, hollow-stem augers. The drillers steam-cleaned the augers before drilling each boring to minimize the possibility of cross-contamination.

Soil Sampling in Borings

Soil samples were collected at 5-foot intervals from the ground surface to the total depth of the borings. The soil samples were collected by advancing the boring to a point immediately above the sampling depth, and then driving a California-modified, split-spoon sampler containing brass sleeves through the hollow stem of the auger into the relatively undisturbed soil. The sampler and brass sleeves were steam-cleaned or washed thoroughly with a laboratory-grade, non-phosphatic detergent and water before each use. The sampler was driven 18 inches with a standard 140-pound hammer repeatedly dropped 30 inches. The number of blows required to drive the sampler each successive 6 inches was counted and recorded to evaluate the relative consistency of the soil.

During drilling, the geologist used a field photoionization detector (PID) to characterize the relative levels of hydrocarbons. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors but do not detect the concentration of hydrocarbons present with the same precision as laboratory analyses. One of the samples in brass sleeves not selected for laboratory analysis at each sampling interval was tested in the field using a PID. This testing was performed by placing the intake probe of the PID against the soil after opening the brass container.

The soil samples selected for possible laboratory analysis were removed from the sampler and quickly sealed in their brass sleeves with aluminum foil, plastic caps, and aluminized duct tape. The respective sample containers were labeled in the field with the job number, sample location and depth, and date and promptly placed in iced storage for transport to the laboratory. Chain of Custody Records were initiated in the field by the geologist and accompanied the samples to a laboratory certified by the State of California to perform the analyses requested. The two soil samples collected in the lube bay were hand-augered. Once a sample depth was reached, the sample was collected using a 2-inch hand percussion instrument.

Logging of Borings

Soil cuttings and samples were identified using visual and manual methods, and classified according to the Unified Soil Classification System. Samples not selected for chemical analysis and the soil in the sampler shoe were extruded in the field and examined using visual and manual methods. Logs include records of texture, color, moisture, plasticity, consistency, blow counts, and any other characteristics noted along with evidence for the presence of hydrocarbons such as soil staining, obvious product odor, and PID readings. The borings were backfilled with a cement-bentonite slurry to ground surface.

Monitoring-Well Construction

Monitoring wells were constructed in the borings with thread-jointed, 4-inch-inner-diameter, Schedule 40 polyvinyl chloride casing. No chemical cements, glues, or solvents were used in well construction. The screened portion of each well consisted of factory-perforated casing with 0.020-inch-wide slots. The well screen extends from the total depth of the well to approximately 5 or 10 feet above the ground-water surface. The annular space in the well was packed with number 3 sand to approximately 1 to 2 feet above the slotted interval. A 3-foot thick bentonite plug was added above the sand pack to prevent the cement from entering the well pack. The remaining annulus was backfilled to grade with a bentonite cement slurry.

Monitoring wells were protected with a traffic-rated, cast-aluminum utility box equipped with a PVC skirt. The box has a watertight seal to protect against surface-water infiltration and must be opened with a special wrench. The design of this box discourages vandalism and reduces the possibility of accidental disturbance of the well.

Well Development

We waited a minimum of 24 hours after well installation before developing the ground-water monitoring wells to allow the grout to seal. Before developing the monitoring wells, a water sample was collected for subjective analysis from near the water surface in the well with a Teflon bailer cleaned with a laboratory-grade detergent and deionized water. Floating product was not encountered.

The wells were developed with a surge block and pump. Well development continued until the discharge water was clear of silt and sand. Clay-size sediments derived from the screened portion of the formation cannot be entirely eliminated by well development.

After the wells stabilized for a minimum of 24 hours, the wells were purged of stagnant water and a sample was collected for laboratory analysis. The well was purged of approximately 3 to 5 well volumes of water with a submersible pump, or until pH, conductivity, and temperature of the purged water had stabilized. Water purged from the wells was stored in labeled, 55-gallon, steel drums approved for this use by the Department of Transportation until suitable disposal options were selected based on laboratory analysis.

Ground-Water Sampling

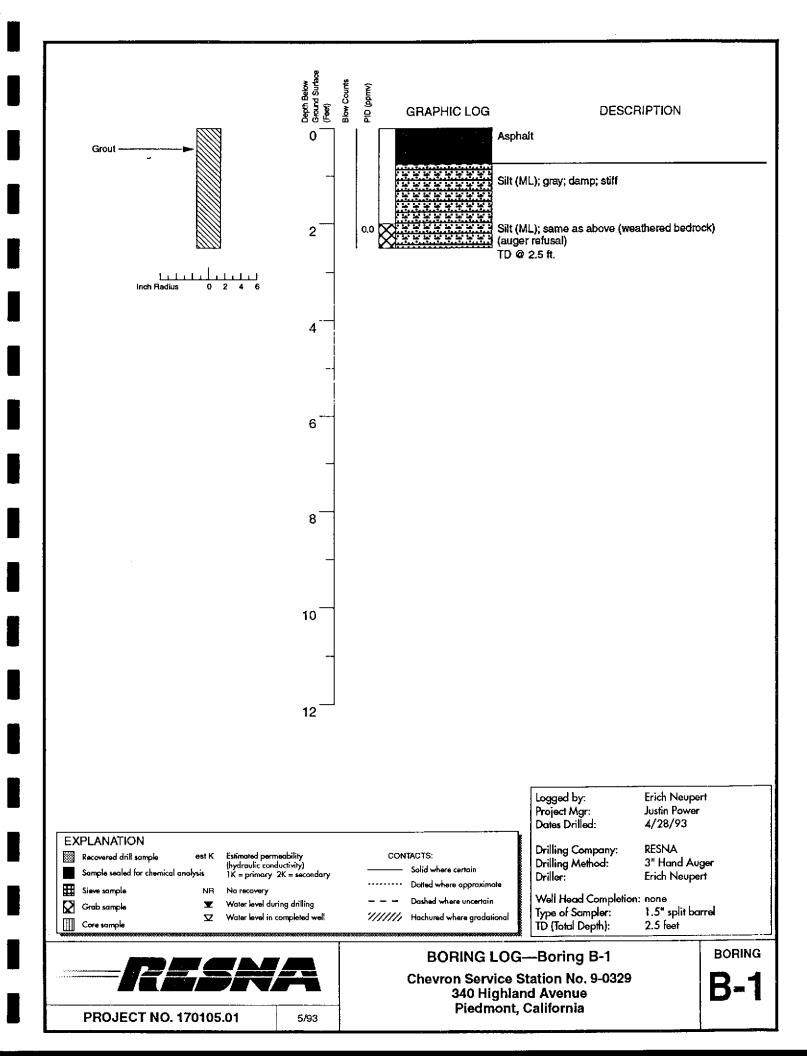
The static water level in each well was measured to the nearest 0.01 foot with a Solinst electric water-level sounder cleaned with a laboratory-grade detergent and deionized water before use in each well. A clean bailer was used to obtain a sample from the surface of the water in the well for subjective analysis of hydrocarbons. The sample was retrieved and examined for floating product, sheen, color, and clarity.

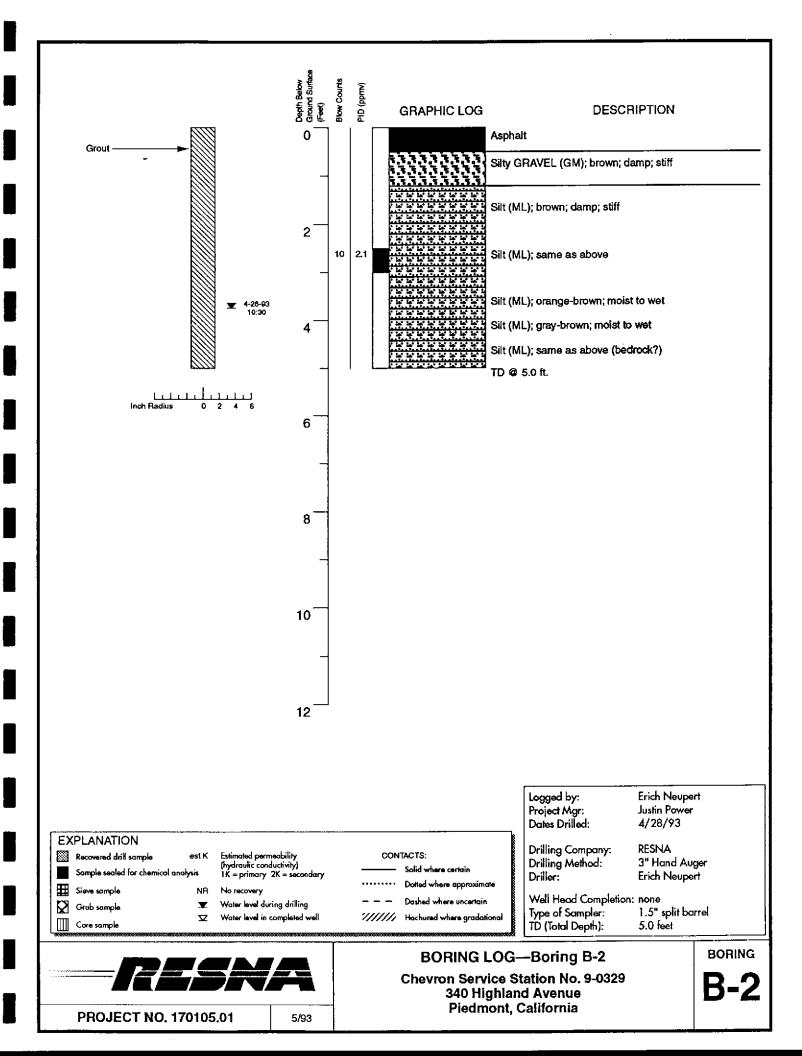
Approximately 3 well volumes (approximately 50 gallons) were purged from each well with a stainless-steel electrical submersible pump to allow sampling of representative formation water. The pump, cables, and hoses were cleaned with a laboratory-grade detergent and water before use in each well. The wells were purged until pH, temperature, and electrical conductivity of the water stabilized, as measured by portable meters calibrated to a standard buffer and conductivity standard. The water level was allowed to recover to at least 80 percent of the initial water level. A sample of the formation water then was collected from the surface of the water in each of the wells with the Teflon bailer and slowly transferred to laboratory-cleaned sample containers. The recovered fluids from sampling in each well were directed into type 17-E, steel, 55-gallon liquid waste drums approved for this use by the Department of Transportation.

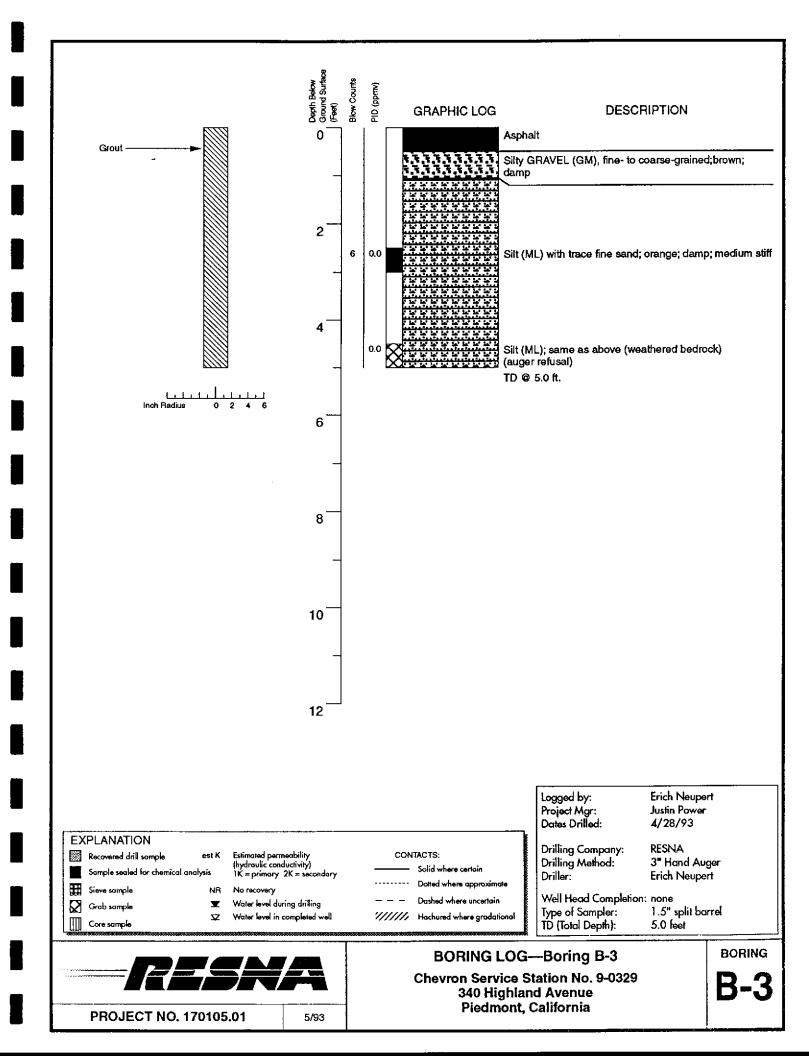
Water samples were stored in laboratory-cleaned, 40-milliliter glass vials or other appropriate containers that contained a preservative, such as hydrochloric acid. The water samples were sealed with Teflon-lined lids so that no air bubbles were detected. The sample containers were labeled in the field with the job number, sample location and depth, and date, and promptly placed in iced storage for transport to the laboratory. Chain of Custody Records were initiated in the field by the geologist and accompanied the samples to a laboratory certified by the State of California for the analyses requested. Samples were transported promptly to an approved laboratory.

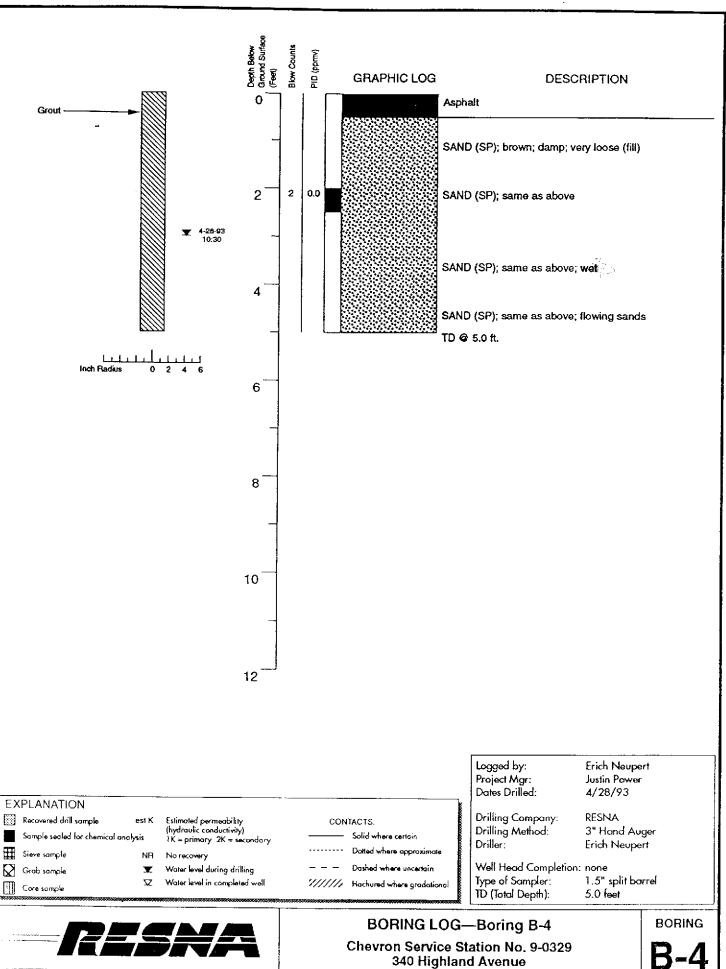
APPENDIX C

LOGS OF BORINGS











Piedmont, California

APPENDIX D

LABORATORY REPORTS
CHAIN OF CUSTODY

1555 Burke, Unit 1 • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2 QA/QC INFORMATION SET: 14397

NA = ANALYSIS NOT REQUESTED

ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT

mg/kg = parts per million (ppm)

ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:

Minimum Detection Limit in Soil: 50mg/kg Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons: Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE

Minimum Quantitation Limit in Soil: 0.005mg/kg Minimum Quantitation Limit in Water: 0.5ug/L

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	96/96	0%	75-111
Benzene:	96/99	3%	75-114
Toluene:	98/98	0%	76-120
Ethyl Benzene:	103/102	1%·	78-111
Xylenes:	97/96	1%	71-117

Richard Srna, Ph.D.

Laboratory Director



1555 Burke, Unit 1 • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Resna Industries Attn: Justin Power

Project 170105.01 Reported 05/06/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
14397- 1	S2.5B1	04/28/93	05/03/93 Soil
14397- 2	S3.0B-2	04/28/93	05/03/93 Soil
14397- 3	S2.5B-4	04/28/93	05/03/93 Soil
14397- 4	S3.0B-3	04/28/93	05/03/93 Soil
14397- 5	B-2	04/28/93	05/03/93 Water
14397- 6	B-4	04/28/93	05/03/93 Water

RESULTS OF ANALYSIS

Laboratory Number: 14397- 1 14397- 2 14397- 3 14397- 4 14397- 5

Gasoline:	ND<1	ND<1	ND<1	ND<1	ND<50
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<0.5
Coluene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<0.5
Ethyl Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<0.5
_Xylenes:	ND<.015	ND<.015	ND<.015	ND<.015	ND<1.5
Concentration:	mg/kg	mq/kq	ma/ka	ma/ka	υα/Ι.

Laboratory Number: 14397- 6

Gasoline:	ND<50
enzene:	ND<0.5
➡ oluene:	ND<0.5
Ethyl Benzene:	ND<0.5
ylenes:	ND<1.5

Concentration: ug/L

Page 1 of 2



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Resna Industries Attn: Justin Power Project 170105.01 Reported 05/06/93

TOTAL PETROLEUM HYDROCARBONS

Lab #

Sample Identification

Sampled

Analyzed Matrix

14396- 1

CUTTINGS (A-D)

04/28/93

04/06/93 Soil

RESULTS OF ANALYSIS

Laboratory Number:

14396- 1

Gasoline:

ND<1

Benzene:

ND<.005

Toluene:

ND<.005

Ethyl Benzene: Xylenes:

ND<.005 ND<.015

Concentration:

mg/kg

Site # 9-0329

340 Highland Avenue Piedmont, CA



1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2 QA/QC INFORMATION SET: 14396

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OIL AND GREASE ANALYSIS By Standard Methods Method 5520F: Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons: Minimum Quantitation Limit for Diesel in Soil: 1mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons: Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline: Benzene: Toluene: Ethyl Benzene: Xylenes:	101/100	1%	75-111
	107/105	2%	75-114
	106/103	3%	78-114
	105/103	2%	76-120
	106/104	2%	71-117

Richard Srna, Ph.D.

Laboratory Director

Certified Laboratories

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ENVIRONMENTAL RECORD SEARCH

for the site

170105.01

340 HIGHLAND AVENUE, PIEDMONT

performed for

RESNA INDUSTRIES

05-11-1993

RESN2202

444 South Cedros Ave, Suite 200

Solana Beach CA 92075

619 793-0641

INTRODUCTION

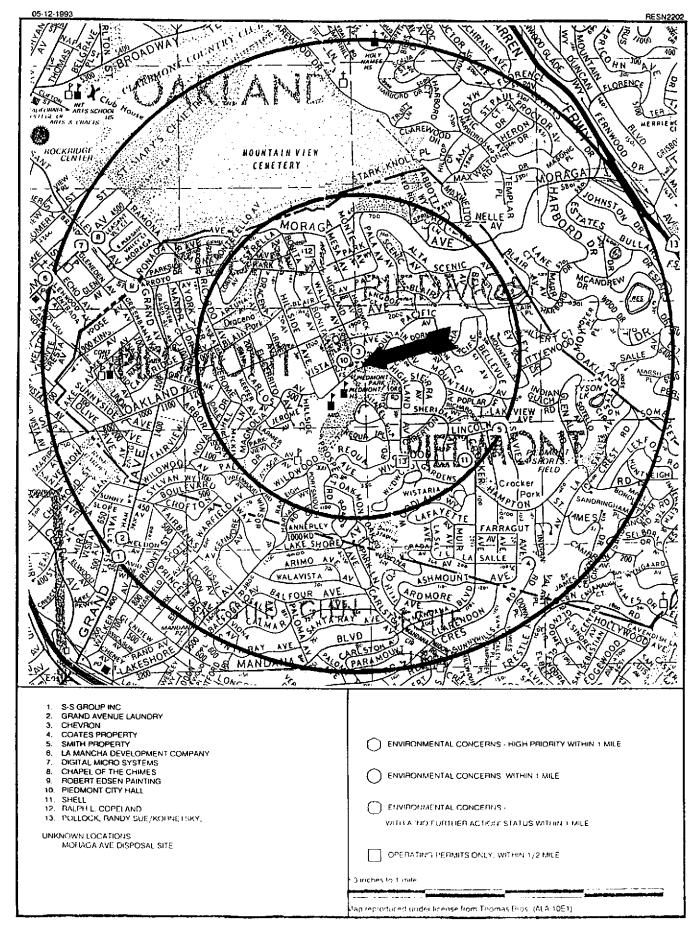
This document, prepared on the request of Resna Industries, reports the findings of BBL's investigation of environmental concerns in the vicinity of 340 Highland Avenue, Piedmont. It is divided in the following segments:

- Map showing the location of the identified sites relative to the subject site. A total of 14 separate sites were identified.
- Summary listing the identified sites by street names.
- Final Report describing the sources investigated and the resulting findings:
 - Facilities known to have environmental concerns:

- Federal Sources		
National Priority List	No	sites
CERCLIS	No	sites
Federal Facilities	No	sites
Superfund Liens	No	sites
- State Sources		
Annual Work Plan	No	sites
CalSites	5	sites
Cortese	4	sites
State Solid Waste Assessment Test	No	sites
Solid Waste Information System	1	site
State Leaking Underground Tanks	6	sites
- Regional Sources		
Regional Leaking Underground Tanks	6	sites
Non-Tank or Unauthorized Releases	1	site
Toxic Pits	No	sites
Regional Solid Waste Assessment Test	No	sites
Well Investigation Program	No	sites

• Facilities with operating permits to generate, handle, store or dispose of hazardous material:

Hazardous Waste Information System	3	sites
Underground Storage Tanks	5	sites
SARA Title III	No	sites



ENVIRONMENTAL RECORDS SEARCH SUMMARY

LISTED BY STREET

ENVIRONMENTAL RECORDS SEARCH FOR 170105.01 340 HIGHLAND AVENUE, PIEDMONT

Page: 1

Job: F

: RESN2202

Date: 05-12-1993

LOCATION	ADDRES	s	CITY	MAP LOC	SOU- RCE	STATUS
S-S GROUP INC	3661	GRAND AVE	OAKLAND	1	AS	NFA
GRAND AVENUE LAUNDRY	3796	GRAND AVE	OAKLAND	2	AS	NFA
CHEVRON	340	HIGHLAND AVE	PIÉDMONT	3	LR	38
CHEVRON	340	HIGHLAND AVE	PIEDMONT	3	ĻT	38
COATES PROPERTY	33	LA SALLE AVE	PIEDMONT	4	LR	0
COATES PROPERTY	33	LA SALLE AVE	PIEDMONT	4	LΤ	0
SMITH PROPERTY	63	LINCOLN AVE	PIEDMONT	5	ĻR	0
SMITH PROPERTY	63	LINCOLN AVE	PIEDMONT	5	LT	0
SMITH PROPERTY	63	LINCOLN AVE	PIEDMONT	5	Cs	WCRBT
MORAGA AVE DISPOSAL SITE	0	MORAGA AVE, CANYON N OF	PIEDMONT		55	CLOSE
LA MANCHA DEVELOPMENT COMPANY	4299	PIEDMONT AVE	OAKLAND	6	LR	0
LA MANCHA DEVELOPMENT COMPANY	4299	PIEDMONT AVE	OAKLAND	6	LT	0
4299 PIEDMONT AVE	4299	PIEDMONT AVE	OAKLAND	6	NT	
LA MANCHA DEVELOPMENT COMPANY	4299	PIEDMONT AVE	OAKLAND	6	Cs	WCRBT
UNKNOWN	4299	PIEDMONT AVE	OAKLAND	6	Cs	WCRET
DIGITAL MICRO SYSTEMS	4448	PIEDMONT AVE	OAKLAND	7	AS	NFA
CHAPEL OF THE CHIMES	4499	PIEDMONT AVE	OAKLAND	8	AS	NFA
ROBERT EDSEN PAINTING	1137	ROSE AVE	OAKLAND	9	AS	NFA
PIEDMONT CITY HALL	120	VISTA AVE	PIEDMONT	10	LĦ	0
PIEDMONT CITY HALL	120	VISTA AVE	PIEDMONT	10	LT	0
PIEDMONT CITY HALL	120	VISTA AVE	PIEDMONT	10	Cs	WCRBT
SHELL	29	WILDWOOD AVE	PIEDMONT	11	LR	5C
SHELL	29	WILDWOOD AVE	PIEDMONT	11	LT	5C

OPERATING PERMITS SEARCH FOR 340 HIGHLAND AVENUE, PIEDMONT

Page: Job : 1

RESN2202

Date: 05-12-1993

LOCATION	ADDRESS		спу	MAP LOC	SOU: RCE	STATUS
RALPH L. COPELAND	34	HIGHLAND AVE	PIEDMONT	12	υŤ	
CHEVRON STATION #90329	340	HIGHLAND AVE	PIEDMONT	3	HW	
90329	340	HIGHLAND AVE	PIEDMONT	3	UT	
CHARLES C SMITH	63	LINCOLN AVE	PIEDMONT	5	HW	
CITY OF PIEDMONT HALL	120	VISTA AVE	PIEDMONT	10	UT	
WM & CAROL EUDAILEY	29	WILDWOOD AVE	PIEDMONT	11	UT	
PIEDMONT SHELL SERV.	29	WILDWOOD AVE	PIEDMONT	11	UT	
POLLOCK, RANDY SUE/KORNETSKY,	237	WILDWOOD AVE	PIEDMONT	13	HW	

REFERENCED SOURCES

FEDERAL SOURCES

- NL National Priority List (03/28/93)
- CC Comprehensive Environmental Response, Compensation, and Liability System CERCLIS (03/28/93)

NFA No Further Action

- FF Federal Facilities (03/28/93)
- LI Superfund Liens LIENS (12/13/92)

CALIFORNIA STATE SOURCES

BP Annual Work Plan (formerly BEP) (01/31/93)

AWP Active Annual Work Plan site BKLG Backlog, potential AWP site

COM Certified, but in Operation & Maintenance mode

CERT Certified, site has been remediated

DLIST Delisted

REFRC Former AWP site, referred to RCRA REFRW Former AWP site, referred to RWQCB

AS CALSITES (formerly ASPIS) (01/31/93)

PEAR Preliminary Endangerment Assessment

SSR Site Screening Required

HRR Hazard Ranking Required

PRPR Potential Responsible Party search Required

NFA No Further Action EPA Federal EPA lead

RCRA RECRA permitting program lead RWQC Regional Water Quality Board lead

CNTY County lead
OAL Other Agency lead

(Suffixes L,M or H indicates Low, Medium or High Priority)

CS Office of Planning and Research, State of California - CORTESE

WCRBT Tank leaks.

DHS1 Abandoned hazardous waste site.

DHS2 Contaminated public drinking wells serving less than 200 connections.

DHS3 Contaminated public drinking wells serving more than 200 connections.

DHS5 Sites pusuant to section 25356 of the Health and Safety Code (see BEP)

WMB Solid waste disposal sites with known migration of hazardous waste.

ST Solid Waste Assessment Test, California State - SWAT(S) (11/6/91)

Facilities or sites are ranked within each region on a scale 1-15 according to priority.

SS Solid Waste Information System - SWIS (9/92)

LT Leaking Underground Storage Tanks, California State - LUST(S) (May 92)

0 No action

1 Leak being confirmed

3A Prel site assessment workplan submitted

3B Prel site assessment underway

5C Pollution characterization

5R Remediation plan

7 Remedial action underway

8 Post remedial action monitoring

9 Case closed

REGIONAL SOURCES (updated quarterly)

LR Leaking Underground Storage Tanks, Regional - LUST(R)

No action

1 Leak being confirmed

3A Prel site assessment workplan submitted

3B Prel site assessment underway

5C Pollution characterization

5R Remediation plan

7 Remedial action underway

8 Post remedial action monitoring

9 Case closed

NT Non-Tank or Unauthorized Releases

1 Leak being confirmed

2 Spill Response

3 Preliminary Assessment

3A Prel Site Assessment plan submitted

3B Pref Site Assessment underway

5 Remedial Investigation

6A Remediation Plan Submitted

6B Remediation Underway

7 Post Remedial Monitoring

9 Case Closed

TP Toxic Pits, Regional

SR Solid Waste Assessment Test, Regional - SWAT(R)

Priority Ranking 1-15

WP Well Investigation Program

1A Organics exceeding action levels

1B Organics with set action levels

2 Inorganics exceeding action level

OPERATING PERMITS

HW Hazardous Waste Information System - HWIS (11/1990)

EPA Permit number

UT Underground Storage Tank Permits (1987)

Reference to tank permit

SA SARA Title III

ENVIRONMENTAL RECORDS SEARCH

LISTED BY SOURCE

Job: RESN2202

Date: 05-12-1993

INTRODUCTION

The following government sources have been searched for sites within one mile radius, unless otherwise stated, of the subject location.

BBL has used its best effort but makes no claims as to the completeness or accuracy of the referenced government sources or the completeness of the search. Our records are frequently updated but only as current as their publishing date and may not represent the entire field of known or potential hazardous waste or contaminated sites. To ensure complete coverage of the subject property and surrounding area, sites may be included in the list if there was any doubt as to the location because of discrepancies in map location, zip code, address, or other information in our sources.

FEDERAL SOURCES

NPL National Priority List

EPA has prioritized sites with significant risk to human health and the environment. These sites receive remedial funding under the Comprehensive Environmental Response Conservation and Liability Act (CERCLA).

No listings within the specified range.

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is a data base used by the EPA to track activities conducted under the Comprehensive Environmental Response, and Liability Act CERCLA (1980) and the amendment the Superfund A and Reauthorization Act, SARA (1986).

Sites to be included are identified primarily by the reporting requirements of hazardous substances Treatment, Storage and Disposal (TSD) facilities and releases larger than specific Reportable Quantaties (RQ), established by EPA.

Using the National Oil and Hazardous Substance Pollution Contingency Plan (National Contingency Plan) EPA set priorities for cleanup.

EPA rates National Contingency Plan sites according to a quantitive Hazard Ranking System (HRS) based on the potential health risk via any one or more potential pathways; groundwater, surface water, air, direct contact, and fire /explosion.

EPA and state agencies seek to identify potentially responsible parties (PRP) and ultimately

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Responsible Parties (RP) who can be required to finance cleanup activities, either directly or through reimbursement of federal Superfund expenditures.

Status Codes: NFA - No Further Action

No listings within the specified range.

FEDFAC Federal Facilities

As part of the CERCLIS program, federal facilities with known or suspected environmental problems, Federal Facilities Hazardous Waste Compliance Docket, are tracked separately to comply with a Federal Court order.

No listings within the specified range.

LIENS Superfund Liens

A current list of Federal Superfund Liens as compiled by the Office of Enforcement and Compliance Monitoring (OECM), EPA, Washington, D.C. based upon information submitted by EPA's ten Regional Offices. The EPA and the OECM make no representations regarding the accuracy or completeness of the list.

No listings within the specified range.

CALIFORNIA STATE SOURCES

AW Annual Work Plan (previously known as Bond Expenditure Plan)

The California Health and Safety code, as amended by AB 129, requires the California Environmental Protection Agency to develop a site-specific expenditure plan as the basis for an appropriation of California Hazardous Substance Cleanup Bond Act of 1984 funds.

The Agency is also required to update the report annually and report any significant adjustments to the Legislature on an ongoing basis. The plan identifies California hazardous waste sites targeted for cleanup by responsible parties, the California and the Federal Environmental Protection Agencies over the next five years.

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Status Codes: BKLG Backlog, Potential Annual Work Plan Site

AWP Active Annual Work Plan site

COM Certified, but still in Operation & Maintenence mode

CERT Certified after remediation
DLIST Delisted from the AWP

REFRC Former AWP site referred to RCRA

REFRW Former AWP site referred to the Regional Water Quality Board

No listings within the specified range.

CALS CALSITES (previously known as The Abandoned Sites Program Information System ASPIS)

The Historical Abandoned Site Survey Program identified certain potential hazardous waste sites. These sites determinations were generally not made via sampling and site characterization. They were made as a result or file searches and windshield surveys. Some of the sites may have had a site inspection with sampling.

The information has been compiled into this database by California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) in accordance with Section 253596 of the California Health and Safety Code.

Status Codes: PEARL Preliminary Endangerment Assessment Required, Low Priority

PEARM Preliminary Endangerment Assessment Required, Medium Priority
PEARH Preliminary Endangerment Assessment Required, High Priority

SSR Site Screening Required

HRR Hazard Ranking Required

PRPR Potential Responsible Party Search Required

NFA No Further Action for DTSC EPA EPA is the lead agency

RCRA Mitigated under the RCRA permitting program

RWQCB Mitigated under the lead of the Regional Water Quality Board.

CNTY County Lead
OAL Other Agency Lead

Site:

S-S GROUP INC

Address:

3661 GRAND AVE

City:

OAKLAND

Map Loc:

1

Status:

NFA - No Further Action for DTSC

Site:

GRAND AVENUE LAUNDRY

Address:

3796 GRAND AVE

City:

OAKLAND

Map Loc:

2

Status:

NFA - No Further Action for DTSC

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Job: RESN2202

Date: 05-12-1993

Site:

DIGITAL MICRO SYSTEMS

Address:

4448 PIEDMONT AVE

City:

OAKLAND

Map Loc:

7

Status:

NFA - No Further Action for DTSC

Site:

CHAPEL OF THE CHIMES

Address:

4499 PIEDMONT AVE

City:

OAKLAND

Map Loc:

8

Status:

NFA - No Further Action for DTSC

Site:

ROBERT EDSEN PAINTING

Address:

1137 ROSE AVE

City:

OAKLAND

Map Loc:

9

Status:

NFA - No Further Action for DTSC

CORTESE State of California Office of Planning and Research

This database is a consolidation of information from various sources. It is maintained by the State Office of Planning and Research and lists potential and confirmed hazardous waste or substances sites. This source was last updated by the government in November 1990.

Status Codes: WRCBT Tank leaks. Compiled by Water Resource Control Board.

DHS1 Abandoned hazardous waste site. Compiled by Toxic Substance

Control Div. of DHS.

DHS2 Contaminated public water drinking wells serving less than 200

connections. Compiled by Env. Health Div. of DHS.

DHS3 Contaminated public water drinking wells serving more than

200 connections.

DHS5 Sites pusuant to section 25356 of the Health and Safety Code

(see BEP)

CWMB Solid waste disposal sites with known migration of hazardous waste.

Site:

SMITH PROPERTY

Address:

63 LINCOLN AVE

City:

PIEDMONT

Map Loc:

5

Status:

WCRBT - Leaking Tank

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Site:

LA MANCHA DEVELOPMENT COMPANY

Address:

4299 PIEDMONT AVE

City:

OAKLAND

Map Loc:

6

Status:

WCRBT - Leaking Tank

Site:

UNKNOWN

Address:

4299 PIEDMONT AVE

City:

OAKLAND

Map Loc:

6

Status:

WCRBT - Leaking Tank

Site:

PIEDMONT CITY HALL

Address:

120 VISTA AVE PIEDMONT

City: Map Loc:

10

Status:

WCRBT - Leaking Tank

LUST(S) Leaking Underground Storage Tanks - California State

The Leaking Underground Storage Tanks Information System is maintained by the State Water Resource Board pursuant to Section 25295 of the Health and Safety Code.

Status Codes: 0 No action

1 Leak being confirmed

3A Prel site assessment workplan submitted

3B Prel site assessment underway

5C Pollution characterization

5R Remediation plan

7 Remedial action underway

8 Post remedial action monitoring

9 Case closed

Site:

CHEVRON

Address:

340 HIGHLAND AVE

City:

PIEDMONT

Map Loc:

3

Status:

3B - Prelim Site Assessment underway.

Site:

COATES PROPERTY

Address:

33 LA SALLE AVE PIEDMONT

City: Map Loc:

1111

Status:

0 - No Action Taken.

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Job: RESN2202

Date: 05-12-1993

Site:

SMITH PROPERTY

Address:

63 LINCOLN AVE

City:

PIEDMONT

Map Loc:

5

Status:

0 - No Action Taken.

Site:

LA MANCHA DEVELOPMENT COMPANY

Address:

4299 PIEDMONT AVE

City:

OAKLAND

Map Loc:

6

Status:

0 - No Action Taken.

Site:

PIEDMONT CITY HALL

Address:

120 VISTA AVE

City:

PIEDMONT

Map Loc:

10

Status:

0 - No Action Taken.

Site:

SHELL

Address:

29 WILDWOOD AVE

City:

PIEDMONT

Map Loc:

11

Status:

5C - Pollution characterization.

SWAT(S) Solid Waste Assessment Test - California State

This program, provided for under the Calderon legislation (Section 13273 of the Water Code), requires that disposal sites with more than 50,000 cubic yards of waste provide sufficient information to the regional water quality control board to determine whether or not the site has discharged hazardous substances which will impact the environment.

Site operators are required to file Solid Waste Assessment Test reports on a staggered basis. Operators of the 150 highest ranking (Rank 1) sites were required to submit Solid Waste Assessment Tests by July 1, 1987, Rank 2 in 1988 and so on.

Operators submit water quality tests to the Regional Water Quality Control Board, describing surface and groundwater quality and supply; and the geology within 1 mile of the site. Air quality tests are submitted to the local Air Quality Management District or Air Pollution Control District.

Status Codes:

Facilities or sites are ranked within each region on a scale 1-15

according to priority.

Job: RESN2202

Date: 05-12-1993

No listings within the specified range.

SWIS

Solid Waste Information System

As legislated under the Solid Waste Management and Resource Recovery Act of 1972, the California Waste Management Board maintains lists of certain facilities, i.e. Active solid waste disposal sites, Inactive or Closed solid waste disposal sites and Transfer facilities.

Site:

MORAGA AVE DISPOSAL SITE

Address:

0 MORAGA AVE, CANYON N OF

City:

PIEDMONT

Status:

CLOSE -

REGIONAL SOURCES

LUST(R)

Leaking Underground Storage Tanks - Regional

Each of the California Regional Water Quality Control Boards RWQCB maintains lists of leaking underground storage tanks.

Status Codes:

No action

1 Leak being confirmed

3APrel site assessment workplan submitted

3BPrel site assessment underway

5CPollution characterization

5RRemediation plan

7 Remedial action underway 8

Post remedial action monitoring

9 Case closed

Site:

CHEVRON

Address:

340 HIGHLAND AVE

City:

PIEDMONT

Map Loc:

0

Status:

3B - Prelim Site Assessment underway.

Site:

COATES PROPERTY

Address:

33 LA SALLE AVE

City:

PIEDMONT

Map Loc:

Status:

0 - No Action Taken.

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Job: RESN2202

Date: 05-12-1993

Site:

SMITH PROPERTY

Address:

63 LINCOLN AVE

City:

PIEDMONT

Map Loc:

5

Status:

0 - No Action Taken.

Site:

LA MANCHA DEVELOPMENT COMPANY

Address:

4299 PIEDMONT AVE

City:

OAKLAND

Map Loc:

6

Status:

0 - No Action Taken.

Site:

PIEDMONT CITY HALL

Address:

120 VISTA AVE

City:

PIEDMONT

Map Loc:

10

Status:

0 - No Action Taken.

Site:

SHELL

Address:

29 WILDWOOD AVE

City:

PIEDMONT

Map Loc:

11

Status:

5C - Pollution characterization.

NT

Toxic Releases

The California Regional Water Quality Control Boards or local Department of Health Services keeps track of toxic releases to the environment. These lists are known as Unauthorized Releases, Non-Tank Releases, Toxics List or similar, depending on the local agency.

Site:

4299 PIEDMONT AVE

Address:

4299 PIEDMONT AVE

City: Map Loc: OAKLAND

Status:

6

TPC

Toxic Pits

The Toxic Pits Clean-Up Act (Katz Bill) places strict limitations on the discharge of liquid hazardous wastes into surface impoundments, toxic ponds, pits and lagoons. Regional Water Quality Control Boards are required to inspect all surface impoundments annully. In addition, every facility was required to file a Hydrogeological Assessment Report. Recent legislation allows the Department of Health Services to excempt facilities that closed on

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Job: RESN2202

Date: 05-12-1993

or before December 31, 1985, if a showing is made that no significant environmental risk remains (AB1046)

Special exemption provisions have been created for surface impoundments that receive mining wastes.

No listings within the specified range.

SWAT(R) Solid Waste Assessment Test - Regional

The Solid Waste Assessment Test Program targets sites where there is a possible risk of hazardous waste escaping from solid waste disposal sites (landfills), threatening both water and air quality. Threatening sites are required to submit water quality Solid Waste Assessment Tests to their Regional Water Quality Control Board. Air quality Solid Waste Assessment Tests are submitted to the local Air Quality Management District or Air Pollution Control District.

No listings within the specified range.

WIP Well Investigation Program

The Well Investigation Program (AB1803) identifies groundwater that is already contaminated and empowers the California Department of Health Services and local health officers to order ongoing monitoring programs. The focus of this program is to monitor and protect drinking water.

No listings within the specified range.

OPERATING PERMITS

Various agencies issue operating permits or regulate the handling, movements, storage and disposal of hazardous materials and require mandatory reporting. The sources referenced below have been searched within half a mile of the subject site.

The inclusion in this section does not infer that an environmental problem exists presently or has in the past.

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SARA SARA Title III, section 313

Title III of the Superfund Amendments and Reauthorization Act, Section 313, also known as Emergency Planning and Community Right-to-Know Act of 1986 requires owners or operators of facilities with more than 10 employees and are listed under Standard Industrial Classification (SIC) Codes 20 through 39 to report the manufacture, process or use of more than a threshold of certain chemical or chemical categories listed under section 313.

No listings within the specified range.

HWIS Hazardous Waste Information System

The Department of Health Services, Toxic Substance Division, California State, maintains a data base keeping track of the movement and disposal of hazardous waste. The data is used to support the Tanner legislation, AB 2948.

Status Codes: EPA Facility Permit Number

Site: CHEVRON STATION #90329

Address: 340 HIGHLAND AVE

City: PIEDMONT

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Map Loc: 3

Status: *EPA ID#: CAL000030010*

Site: CHARLES C SMITH Address: 63 LINCOLN AVE

City: PIEDMONT

Map Loc: 8

Status: *EPA ID#: CAC000049213*

Site: POLLOCK, RANDY SUE/KORNETSKY,

Address: 237 WILDWOOD AVE

City: PIEDMONT

Map Loc: 13

Status: *EPA ID#: CAC000167205*

Job: RESN2202

Date: 05-12-1993

UST Permitted Underground Storage Tanks - State Water Quality Board

> The Corteses Bill (AB2013), enacted in 1983, required registration of all underground storage tanks (UST) with the State Water Quality Board by July 1, 1984. About 176,000 tanks and surface impounds were registered between 1984 and 1987. An amendment (AB 1413) was passed in 1987, effectively removing the State Board from the registration proceess starting January 1, 1988. The data reflects the information collected by the state between 1984 and 1987 and includes all tanks and surface impounds in use or closed between 1974 and 1987.

Home and farm heating fuel tanks with capacities of 1,100 gallons or less and "structures such as sumps, separators, storm drains, catch basins, oil field gathering lines, refinery pipelines, lagoons, evaporation ponds, well cellars, separation sumps, lined and unlined pits, sumps and lagoons" except those defined as UST under HSWA or may be regulated to protect water quality under the Porter-Cologne Water Quality Control Act.

Site:

RALPH L. COPELAND

Address:

34 HIGHLAND AVE

City:

PIEDMONT

Map Loc:

Status:

Permitted Tanks:

Site:

90329

Address:

340 HIGHLAND AVE

City:

PIEDMONT

Map Loc:

Status:

Permitted Tanks:

Site:

CITY OF PIEDMONT HALL

Address:

120 VISTA AVE

City:

PIEDMONT

Map Loc:

10

Status:

Permitted Tanks:

Site:

WM & CAROL EUDAILEY

Address: City:

29 WILDWOOD AVE

PIEDMONT

Map Loc:

11

Status:

Permitted Tanks.

Site:

PIEDMONT SHELL SERV.

Address:

29 WILDWOOD AVE

City: Map Loc: PIEDMONT

Status:

Permitted Tanks: