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LETTER REPORT
QUARTERLY GROUNDWATER MONITORING
Fourth Quarter 1993
at
Exxon Station 7-3006
720 High Street
Oakland, California

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December 29, 1993
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Ms. Marla D. Guensler
Exxon Company U.S.A.
2300 Clayton Road, Suite 1250
P.O. Box 4032
Concord, California 94520

Subject: Letter Report Quarterly Groundwater Monitoring Fourth Quarter 1993 at
Exxon Station 7-3006, 720 High Street, Oakland, California

Ms. Guensler:

As requested by Exxon Company U.S.A., this letter report summarizes the methods and results of fourth quarter 1993 groundwater monitoring performed by RESNA Industries Inc. (RESNA) at the subject site. The site is located at 720 High Street, in a predominantly industrial area of Oakland, California (Plate 1, Site Vicinity Map). The site is bound on the northwest by High Street, on the southwest by Coliseum Way, on the northeast by a former dry-cleaning facility, on the south by Alameda Avenue, and on the southeast by a vacant lot, as shown on Plate 2, Generalized Site Plan. The objectives of quarterly monitoring are to evaluate trends in the groundwater gradient and flow direction, and trends in concentrations of gasoline and diesel hydrocarbons in the local groundwater associated with a former used-oil and three former gasoline underground storage tanks (USTs) at the site.

Prior to the present monitoring, RESNA (formerly Applied GeoSystems [AGS]) performed an environmental investigation related to the removal of four USTs in April 1987 (AGS, May 13, 1987; July 10, 1987; and October 16, 1989), and an environmental investigation between September 1987 and May 1988 that included drilling nine boreholes (B-1 through B-9) around the former UST locations and installing groundwater monitoring wells MW-1 through MW-9 in the boreholes (AGS, August 5, 1988). RESNA performed a Supplemental Subsurface Investigation that included drilling eleven boreholes (B-10 through B-20) and installing groundwater monitoring wells MW-10 through MW-13 in boreholes B-10 through B-13 in November 1989 (AGS, January 30, 1990), and drilling boreholes B-21 through B-32 and installing groundwater monitoring wells MW-14 and MW-15 in boreholes B-31 and B-32 in November 1990 (AGS, May 21, 1991). Quarterly monitoring was initiated by RESNA in the second quarter 1989 (AGS, October 16, 1989). On February 18, 1993, petrotraps were installed in wells MW-2, MW-4, and MW-6. A limited records search was completed for

the site and surrounding area (RESNA, March 24, 1993). RESNA performed a Interim Remediation Investigation that included drilling four boreholes (B-35, B-35A, B-36, and B-37) and installing vapor extraction wells VE-1 through VE-3 in boreholes B-35A, B-36, and B-37), conducting a vapor extraction test, and conducting a pumping test in February and March 1993 (RESNA, April 16, 1993). The locations of the wells and pertinent site facilities are shown on Plate 2. The results of these investigations are presented in the reports listed in the references section.

Groundwater Sampling and Gradient Evaluation

RESNA personnel measured depth-to-water (DTW) measurements and performed quarterly sampling on October 26 through 28, 1993, and measured DTW levels on November 12, 1993, on one offsite monitoring well (MW-1), ten onsite monitoring wells (MW-3, and MW-7 through MW-15), and three onsite vapor extraction wells (VE-1 through VE-3). Field work during this quarter consisted of measuring DTW levels, subjectively analyzing water from the wells for the presence of free-phase hydrocarbons, removal of any free-phase hydrocarbons encountered, and purging and sampling the groundwater from monitoring wells MW-1, MW-7, MW-9 through MW-15 for laboratory analysis. Monitoring well MW-5 was destroyed in July 1989. Wells MW-3 and MW-8 had sheen and were not purged or sampled. Wells MW-2, MW-4, and MW-6 were not monitored for DTW or sampled because they contain petrotraps which separate free-phase hydrocarbons for removal. Free-phase hydrocarbons were not present in the petrotraps from wells MW-2, MW-4, and MW-6. However, since the petrotraps were not adjusted after the decrease in groundwater elevations at the site since last quarter, they may have been too high in the well to trap any free-phase hydrocarbons this quarter. Vapor extraction wells VW-1 through VW-3 were dry. Results of subjective analyses are summarized in Table 1, Cumulative Groundwater Monitoring Data. Field methods used by RESNA personnel are described in RESNA's Groundwater Sampling Protocol (RESNA, July 26, 1993).

RESNA calculated groundwater elevations for each well by subtracting the measured DTW, including corrections for product thickness when necessary, from the elevation of the wellhead. The measured DTW levels, product thickness, wellhead elevations, and groundwater elevations for this and previous monitorings at the site are summarized in Table 1. The groundwater elevations have decreased an average of 0.5 foot since last quarter. Based on the October 26 and November 12, 1993, groundwater elevation data, the local groundwater flow direction has northwestward and southwestward components with approximate gradients for each direction of 0.025 and 0.020, respectively. RESNA's interpretation of the local groundwater gradients for this quarter are shown on Plates 3 and 4, Groundwater Gradient Map. These groundwater gradients and flow direction are not consistent with those previously interpreted, since previous interpretations have excluded the northwestward component.

Monitoring wells MW-1, MW-7, and MW-9 through MW-15 were purged and sampled in accordance with RESNA's groundwater sampling protocol (RESNA, July 26, 1993). Well purge data sheets for the monitored parameters temperature, turbidity, pH, and conductivity for the monitoring wells are included in Appendix A.

Results of Laboratory Analysis

Groundwater samples collected from monitoring wells MW-1, MW-7, and MW-9 through MW-15, were analyzed for gasoline constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons as gasoline (TPHg) using modified Environmental Protection Agency (EPA) Methods 5030/8015/8020; and total petroleum hydrocarbons as diesel (TPHd) using modified EPA Methods 3510/8015. Groundwater samples were analyzed by PACE Incorporated Laboratories (California Hazardous Waste Testing Laboratory Certification No. 1282) in Novato, California. The laboratory analysis reports and chain of custody records for the groundwater samples are included in Appendix B, Laboratory Analysis Reports and Chain of Custody Records.

The chemical analytical results of this, and previous, quarterly monitorings are summarized in Table 2, Cumulative Results of Laboratory Analyses of Groundwater Samples. Concentrations of TPHg, TPHd, and BTEX in the local groundwater for this quarterly monitoring are shown on Plate 5, Petroleum Hydrocarbon Concentrations in Groundwater.

Results of laboratory analyses of groundwater samples from wells MW-1, MW-7, and MW-9 through MW-15 indicate:

- TPHg and BTEX concentrations were not detected in wells MW-1, MW-9, MW-10, and MW-11;
- TPHg was detected in wells MW-7, and MW-12 through MW-15 at concentrations ranging from 0.260 parts per million (ppm) (MW-14) to 68 ppm (MW-12);
- TPHd was detected in wells MW-7, and MW-11 through MW-15 at concentrations ranging from 0.08 ppm (MW-11) to 17 ppm (MW-12). TPHd was not detected in wells MW-1, MW-9, and MW-10;
- benzene was detected in wells MW-7, MW-12, MW-13, and MW-15 at concentrations ranging from 0.079 ppm (MW-15) to 11 ppm (MW-12), which are greater than the California Department of Health Service (DHS) Maximum Contaminant Level (MCL) of 0.001 ppm in drinking water. Benzene was not detected in well MW-14;

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- toluene, ethylbenzene, and total xylenes were detected in wells MW-12 and MW-13 at concentrations greater than the DHS Drinking Water Action Level (DWAL) of 0.100 ppm toluene, and MCLs of 0.680 ppm ethylbenzene and 1.750 ppm total xylenes in drinking water. Toluene, ethylbenzene, and total xylenes were either not detected or less than the DWAL and MCLs in wells MW-7, MW-14, and MW-15.

Limitations

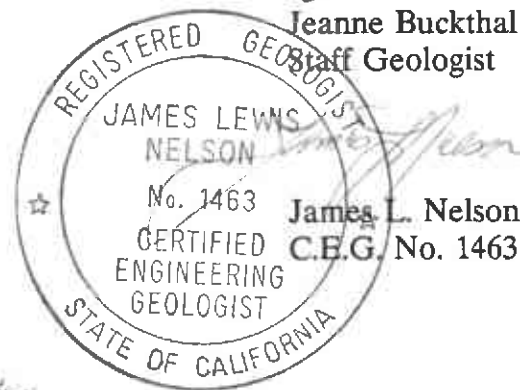
This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was performed. This report has been prepared for Exxon Company U.S.A. and any reliance on this report by third parties shall be at such party's sole risk.

If you have any questions or comments, please call (408) 264-7723.

Sincerely,
RESNA Industries Inc.



Jeanne Buckthal
Staff Geologist



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Enclosures: References

Plate 1, Site Vicinity Map
Plate 2, Generalized Site Plan
Plate 3, Groundwater Gradient Map (October 26, 1993)
Plate 4, Groundwater Gradient Map (November 12, 1993)
Plate 5, Petroleum Hydrocarbon Concentrations in Groundwater

Table 1: Cumulative Groundwater Monitoring Data
Table 2: Cumulative Results of Laboratory Analyses of Groundwater Samples
Table 3: Results of Additional Laboratory Analyses of Water Samples from Well MW-7 on March 11, 1993

Appendix A: Well Purge Data Sheets
Appendix B: Laboratory Analysis Reports and Chain of Custody Records

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REFERENCES

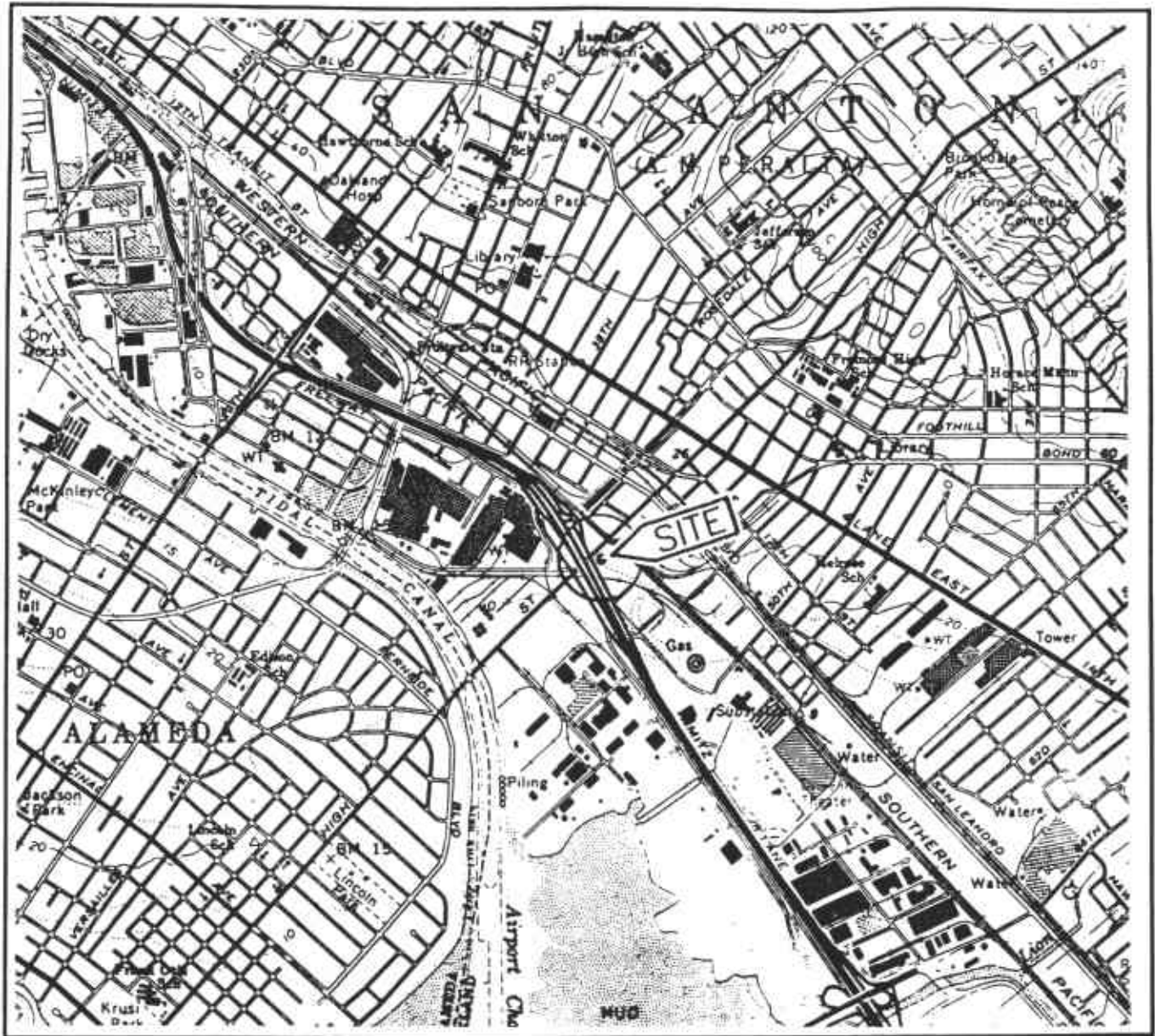
- Applied GeoSystems. May 13, 1987. Letter Report for First Phase Soil Contamination Investigation, Exxon Station No. 7-3006, Oakland, California. Job No. 87042-1.
- Applied GeoSystems. July 10, 1987. Report of Excavation, Aeration, and Removal of Contaminated Soil Including Soil Sampling and Analyses, Exxon Station No. 7-3006, Oakland, California. Job No. 87042-2.
- Applied GeoSystems. August 5, 1988. Report of Subsurface Environmental Investigation, Exxon Station No. 7-3006, Oakland, California. Job No. 87042-5.
- Applied GeoSystems. July 8, 1989. Site Safety Plan, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-6S.
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- Applied GeoSystems. January 30, 1990. Report on Limited Environmental Investigation, Exxon Station 7-3006, 720 High Street, Oakland, California. Job No. 87042-6R.
- Applied GeoSystems. January 30, 1991. Letter Report on Ground-Water Monitoring for Fourth Quarter 1990, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-9.
- Applied GeoSystems. May 21, 1991. Report on Supplemental Subsurface Environmental Investigation, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-9R.
- Applied GeoSystems. October 10, 1991. Interim Groundwater Remediation Work Plan, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-9RAP.
- Clark, John W., et al., 1977. Water Supply and Pollution Control. Harper & Row.
- RESNA Industries, Inc. June 15, 1992. Letter Report on Groundwater Monitoring for First Quarter 1992, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-11.
- RESNA Industries, Inc. October 21, 1992. Letter Report on Groundwater Monitoring for Second Quarter 1992, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-11.

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Exxon 7-3006, Oakland, California

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(continued)

- RESNA Industries, Inc. November 9, 1992. Letter Report on Groundwater Monitoring for Third Quarter 1992, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-11.
- RESNA Industries, Inc. December 2, 1992. Addendum One to the Interim Ground Water Remediation Work Plan, Former Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 62034.01.
- RESNA Industries, Inc. January 18, 1993. Addendum One to the Interim Groundwater Remediation Work Plan to Perform an Interim Remediation Environmental Investigation at the Former Exxon Station 7-3006, 720 High Street, Oakland, California. Job No. 62034.01A.
- RESNA Industries, Inc. February 1, 1993. Letter Report on Groundwater Monitoring for Fourth Quarter 1992, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 87042-11.
- RESNA Industries, Inc. March 24, 1993. Findings of the Limited Record Search for the Former Exxon Station 7-3006 Located at 720 High Street, Oakland, California. Job No. 62034.02.
- RESNA Industries, Inc. April 16, 1993. Interim Remediation Environmental Investigation at the Former Exxon Station 7-3006, 720 High Street, Oakland, California. Job No. 130006.02.
- RESNA Industries, Inc. May 5, 1993. Letter Report on Groundwater Monitoring for First Quarter 1993, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 130006.01.
- RESNA Industries, Inc. July 26, 1993. Letter Report on Groundwater Monitoring for Second Quarter 1993, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 130006.01.
- RESNA Industries, Inc. October 21, 1993. Letter Report on Groundwater Monitoring for Third Quarter 1993, Exxon Station No. 7-3006, 720 High Street, Oakland, California. Job No. 130006.01.



Base: U.S. Geological Survey
 7.5-Minute Quadrangles
 Oakland East, California.
 Photorevised 1980

LEGEND

● = Site Location



Approximate Scale

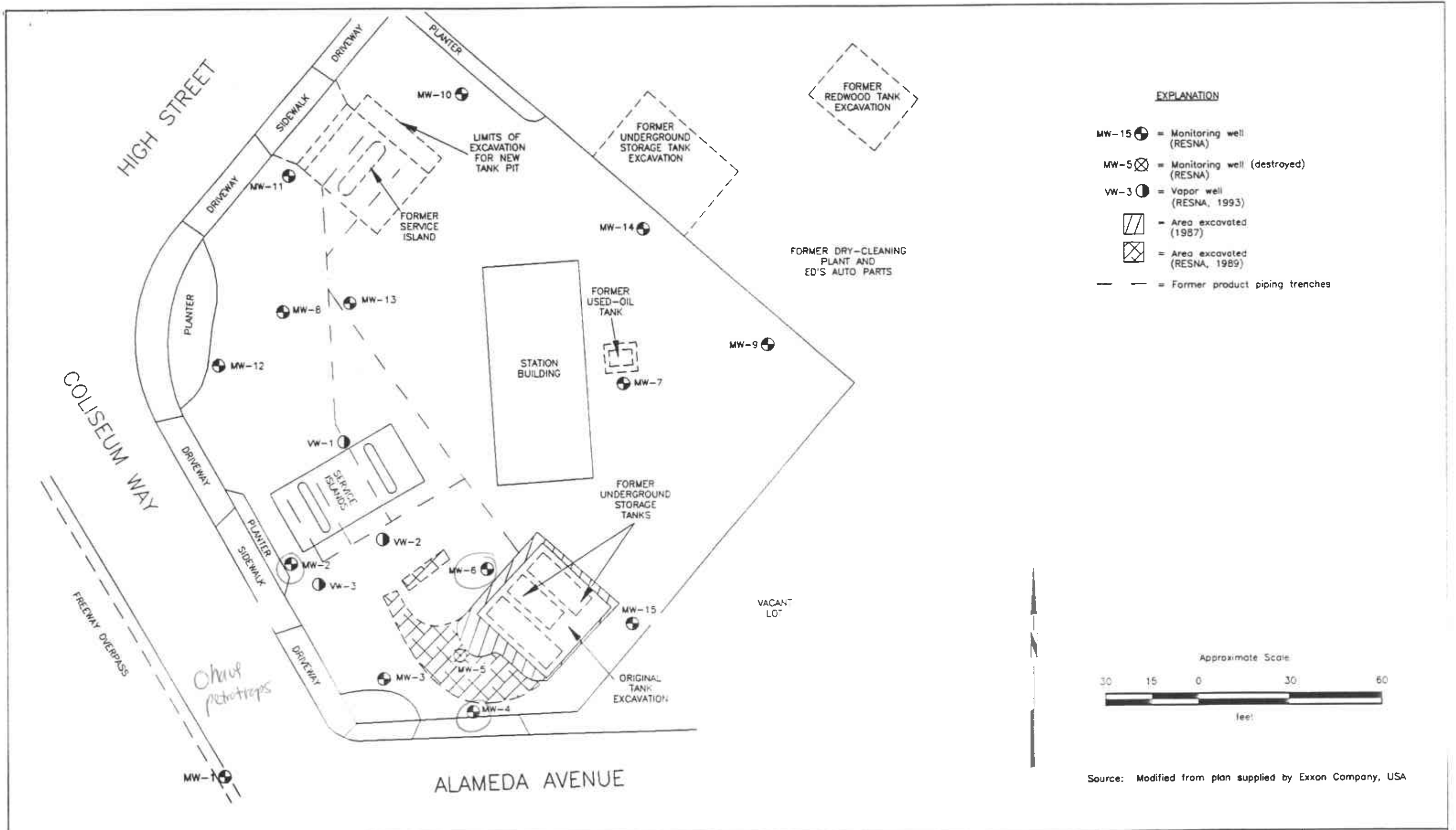


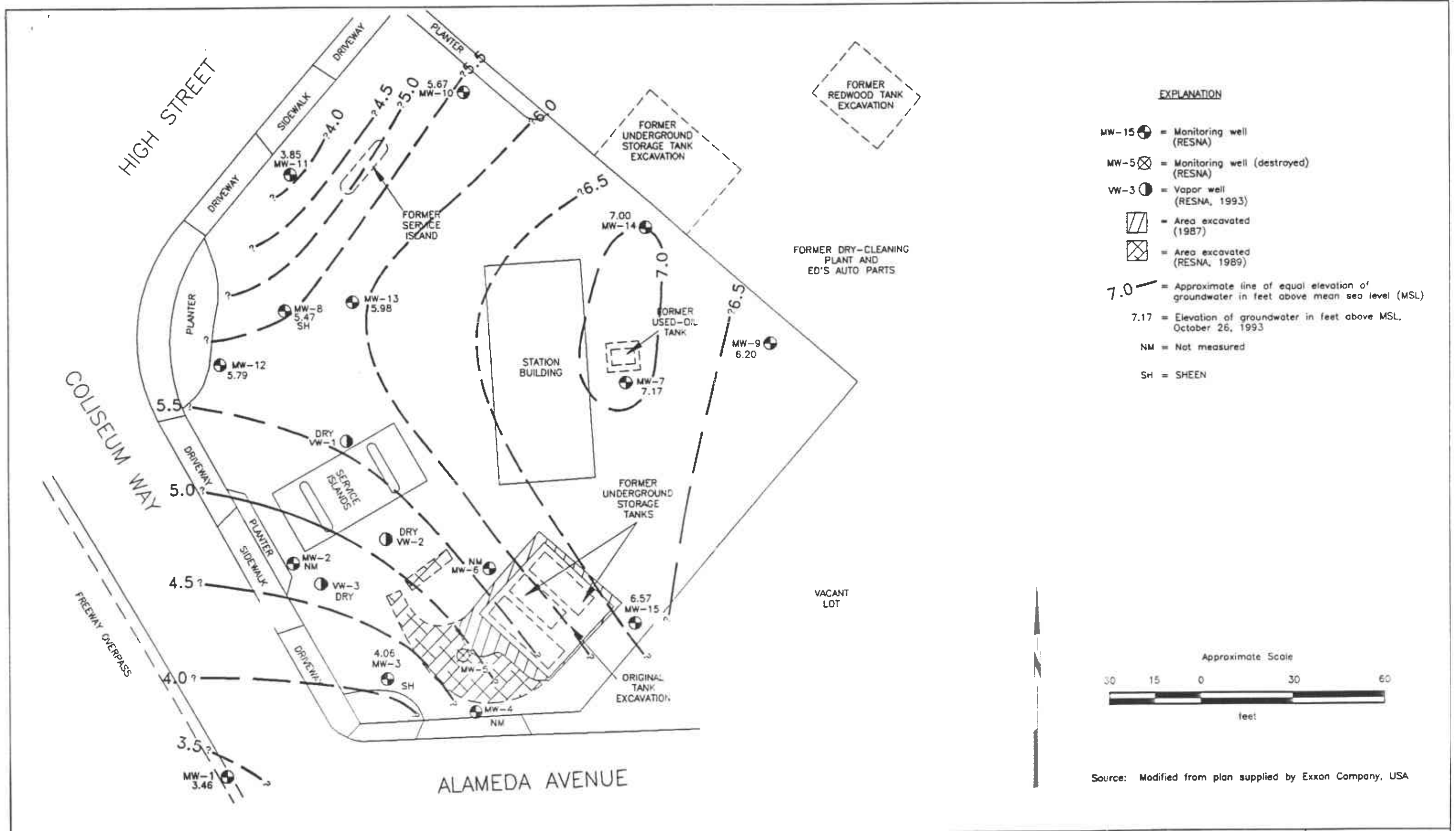
RESNA
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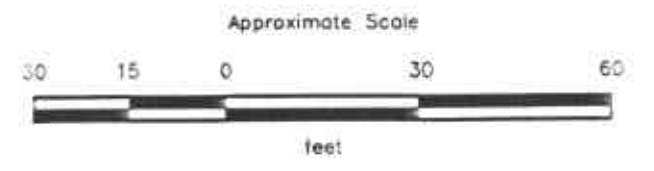
SITE VICINITY MAP
 Former Exxon Station 7-3006
 720 High Street
 Oakland, California

PLATE
 1

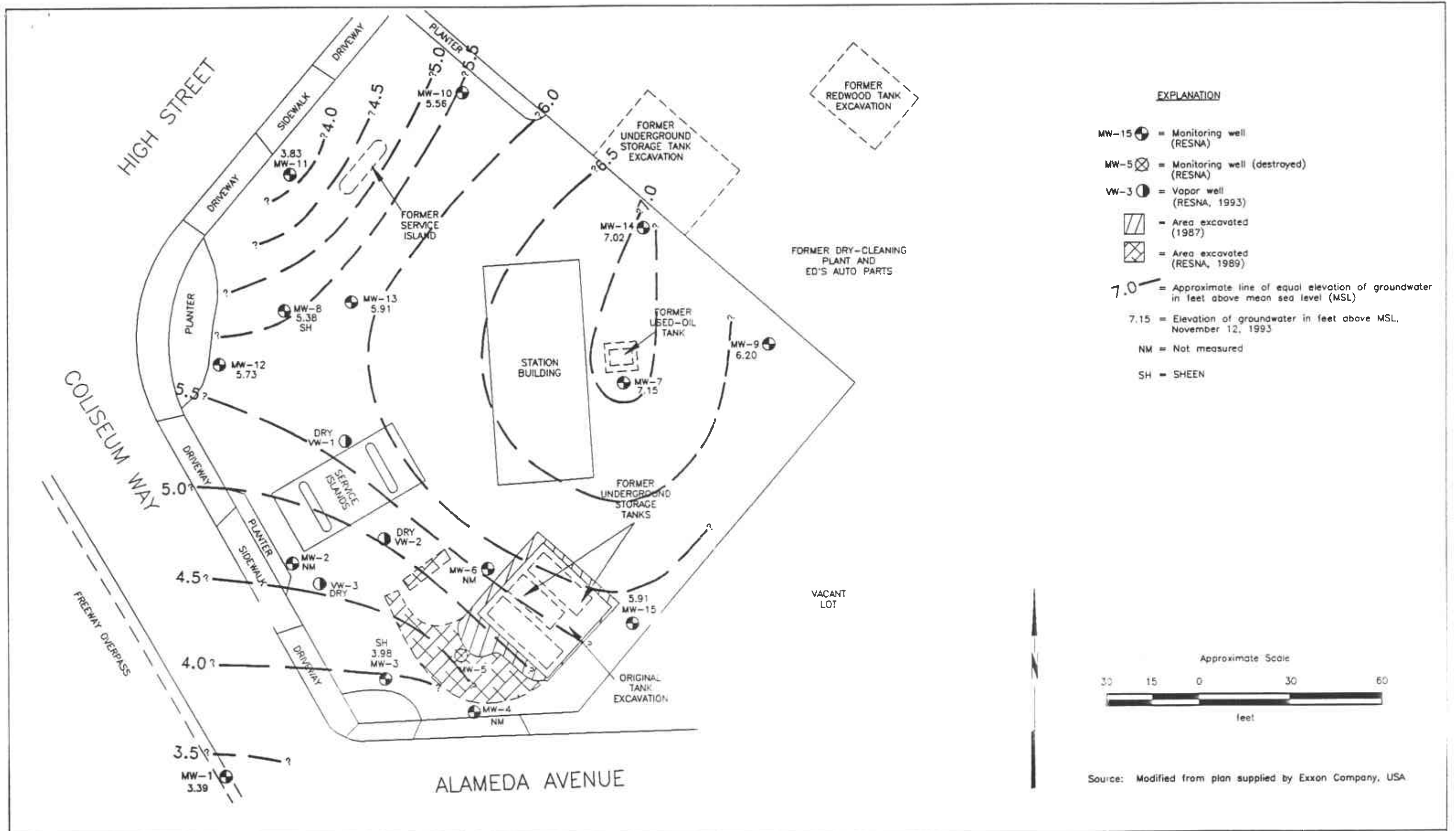




- EXPLANATION**
- MW-15 ⊕ = Monitoring well (RESNA)
 - MW-5 ⊗ = Monitoring well (destroyed) (RESNA)
 - VW-3 ⊙ = Vapor well (RESNA, 1993)
 - ▨ = Area excavated (1987)
 - ▩ = Area excavated (RESNA, 1989)
 - 7.0 — = Approximate line of equal elevation of groundwater in feet above mean sea level (MSL)
 - 7.17 = Elevation of groundwater in feet above MSL, October 26, 1993
 - NM = Not measured
 - SH = SHEEN

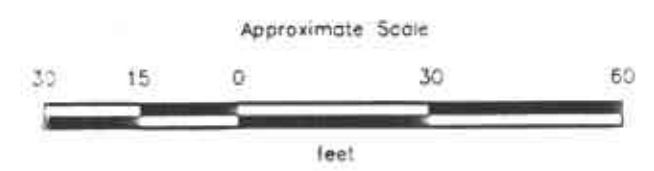


Source: Modified from plan supplied by Exxon Company, USA



EXPLANATION

- MW-15 = Monitoring well (RESNA)
- MW-5 = Monitoring well (destroyed) (RESNA)
- VW-3 = Vapor well (RESNA, 1993)
- = Area excavated (1987)
- = Area excavated (RESNA, 1989)
- 7.0 = Approximate line of equal elevation of groundwater in feet above mean sea level (MSL)
- 7.15 = Elevation of groundwater in feet above MSL, November 12, 1993
- NM = Not measured
- SH = SHEEN



Source: Modified from plan supplied by Exxon Company, USA



GROUNDWATER GRADIENT MAP
November 12, 1993
Exxon Station 7-3006
720 High Street
Oakland, California

PLATE
4

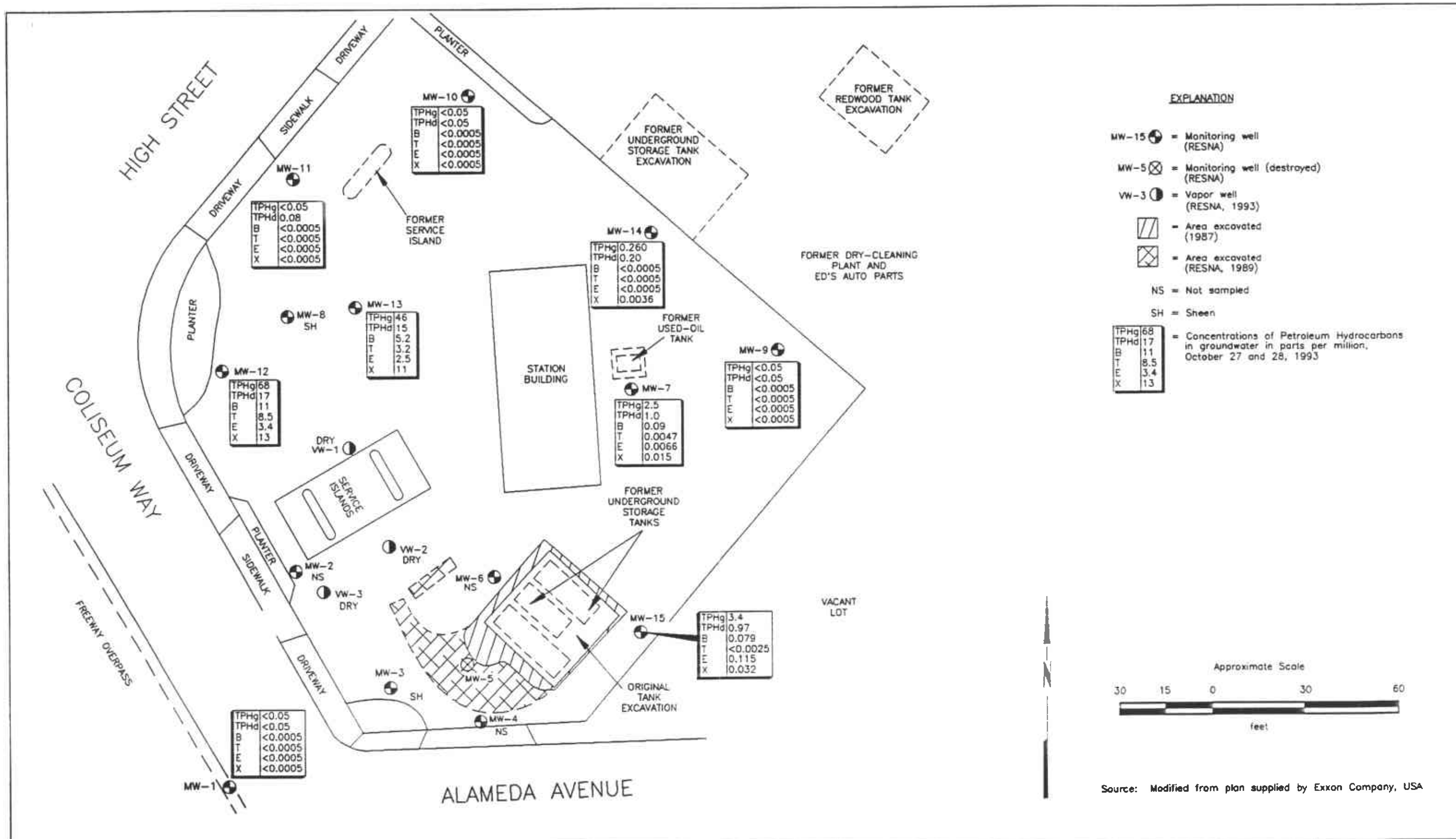


TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California
Page 1 of 20
See notes on page 20

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-1					
04/25/89	12.87	7.55	NP	5.32	None
04/27/89		10.16	Sheen	2.71	None
09/06/89		10.88	Sheen	1.99	None
09/22/89		11.06	NP	1.81	None
11/01/89		10.82	NP	2.05	None
11/15/89		11.07	NP	1.80	None
12/06/89		10.33	NP	2.54	None
02/20/90		8.81	NP	4.06	None
04/19/90		9.33	NP	3.54	None
07/03/90		8.44	NP	4.43	None
07/26/90		8.99	NP	3.88	None
08/20/90		9.50	NP	3.37	None
09/19/90		9.99	NP	2.88	None
11/27/90		10.62	NP	2.25	None
01/17/91		10.31	NP	2.56	None
03/26/91		7.79	NP	5.08	None
05/02/91		8.88	NP	3.99	None
06/20/91		9.62	NP	3.25	None
08/07/91		10.20	NP	2.67	None
09/17/91		10.40	NP	2.47	None
11/13/91		10.20	NP	2.67	None
12/10/91		10.23	NP	2.64	None
01/21/92		9.32	NP	3.55	None
03/25/92		9.30	NP	3.57	None
06/22/92		8.46	NP	4.41	None
09/24/92		9.61	NP	3.26	None
10/14/92		9.85	NP	3.02	None
11/16/92		9.65	NP	3.22	None
12/08/92		9.30	NP	3.57	None

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California
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See notes on page 20

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
<u>MW-1 cont.</u>					
01/27/93		6.13	NP	6.74	None
02/18/93		6.07	NP	6.80	None
03/10/93		6.12	NP	6.75	None
04/06/93		5.84	NP	7.03	None
05/28/93		7.27	NP	5.60	None
06/10/93		7.40	NP	5.47	None
07/17/93		8.08	NP	4.79	None
08/11/93		8.54	NP	4.33	None
09/01/93		8.80	NP	4.07	None
10/26/93		9.41	NP	3.46	None
11/12/93		9.48	NP	3.39	None
<u>MW-2</u>	12.98				
04/25/89		9.27	2.16	5.44	NR
07/19/89		10.81	1.56	3.42	NR
07/27/89		10.18	0.13	2.90	NR
09/06/89		10.89	0.09	2.16	NR
09/22/89		11.56	0.56	1.87	NR
11/01/89		10.85	0.09	2.20	NR
11/15/89		11.05	0.07	1.99	NR
12/06/89		10.23	0.13	2.85	NR
02/20/90		8.86	0.29	4.35	NR
04/19/90		9.09	0.10	3.97	NR
07/03/90		8.75	0.05	4.27	NR
07/26/90		8.71	0.10	4.35	NR
08/20/90		9.25	0.02	3.75	NR
09/19/90		9.79	0.02	3.21	NR
11/27/90		10.40	0.07	2.64	NR
01/17/91		10.03	0.05	2.99	NR
03/26/91		8.98	0.08	4.06	NR

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Exxon Station 7-3006
Oakland, California
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See notes on page 20

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
<u>MW-2 cont.</u>				12.98	
05/02/91		8.73	0.02	4.27	NR
06/20/91		9.11	0.02	3.89	NR
08/07/91		10.00	0.04	3.01	NR
09/17/91		10.11	0.02	2.89	NR
11/13/91		9.88	0.02	3.12	NR
12/10/91		9.02	0.03	3.98	NR
01/21/92		9.08	0.03	3.92	NR
03/25/92		6.00	0.03	7.00	NR
06/22/92		8.46	0.01	4.53	1/2 cup
09/24/92		9.08	Sheen	3.90	NR
10/14/92		9.34	0.02	3.66	1/2 cup
11/16/92		9.16	0.02	3.84	1/2 cup
12/08/92		8.93	0.02	4.07	1/2 cup
01/27/93		5.76	Sheen	7.22	None
02/18/93		4.21	0.01	8.78	None
03/10/93		6.75	Sheen	6.23	None
04/06/93		5.37	Sheen	7.61	1/2 cup
05/28/93		NM	NM	NM	2 cups
06/10/93		NM	NM	NM	1/2 cup
07/17/93		NM	NM	NM	2 cups
08/11/93		NM	NM	NM	1/2 cup
09/01/93		NM	NM	NM	1/2 cup
10/26/93		NM	NM	NM	None
11/12/93		NM	NM	NM	None
<u>MW-3</u>					
04/25/89	12.94	7.57	0.08	5.43	NR
07/19/89		10.33	0.66	3.14	NR
07/27/89			Not Accessible		
09/06/89		11.22	0.07	1.78	NR

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
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See notes on page 20

WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
MW-3 cont.				12.94	
09/22/89		11.38	0.28	1.78	NR
11/01/89		10.90	0.01	2.05	NR
11/15/89		11.18	0.11	1.85	NR
12/06/89		10.29	Sheen	2.65	None
02/20/90		8.73	0.04	4.24	NR
04/19/90		9.20	0.09	3.81	NR
07/03/90		8.50	0.03	*4.46	NR
07/26/90		8.58	0.04	*4.39	NR
08/20/90		9.21	0.01	*3.74	NR
09/19/90		10.02	0.35	*3.20	NR
11/27/90		10.72	0.42	*2.56	NR
01/17/91		10.05	0.10	*2.97	NR
03/26/91		7.65	0.10	*5.37	NR
05/02/91		8.54	0.03	*4.42	NR
06/20/91		8.89	0.03	*4.07	NR
08/07/91		9.99	0.03	*2.97	NR
09/17/91		10.32	0.22	*2.80	NR
11/13/91		10.14	0.24	*2.99	NR
12/10/91		10.10	0.11	*2.93	NR
01/21/92		9.07	0.06	*3.92	NR
03/25/92		5.96	0.04	*7.01	NR
06/22/92		8.07	0.02	*4.89	1/2 cup
09/24/92		9.29	Sheen	3.65	None
10/14/92		9.49	0.02	*3.47	1/2 cup
11/16/92		9.29	0.02	*3.67	1/2 cup
12/08/92		9.08	0.02	*3.88	1/2 cup
01/27/93		5.65	Sheen	7.29	None
02/18/93		4.63	Sheen	8.31	None
03/10/93		5.53	Sheen	7.41	None
04/06/93		5.10	Sheen	7.84	None

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TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
<u>MW-3 cont.</u>				12.94	
05/28/93		6.50	Sheen	6.44	None
06/10/93		6.65	Sheen	6.29	None
07/17/93		7.03	Sheen	5.91	None
08/11/93		7.56	Sheen	5.38	None
09/01/93		8.20	0.01	*4.75	None
10/26/93		8.88	Sheen	4.06	None
11/12/93		8.96	Sheen	3.98	None
<u>MW-4</u>	12.77				
04/25/89		7.26	0.16	*5.64	NR
07/19/89		10.32	0.72	*3.03	NR
07/27/89			Not Accessible		
09/06/89		11.40	0.07	*1.43	NR
09/22/89		11.64	0.19	*1.28	NR
11/01/89		11.00	Sheen	1.77	None
11/15/89		11.18	0.10	*1.67	NR
12/06/89		10.25	Sheen	2.52	None
02/20/90		8.40	NP	4.37	None
04/19/90		9.04	0.03	*3.75	NR
07/03/90		8.00	Sheen	4.77	None
07/26/90		8.57	0.04	*4.23	NR
08/20/90		9.08	0.01	*3.70	NR
09/19/90		9.76	0.03	*3.03	NR
11/27/90		10.83	0.09	*2.01	NR
01/17/91		9.96	0.20	*2.97	NR
03/26/91		6.20	0.09	*6.64	NR
05/02/91		7.50	0.04	*5.30	NR
06/20/91		7.79	0.04	*5.01	NR
08/07/91		9.81	0.05	*3.00	NR
09/17/91		10.02	0.10	*2.83	NR

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<u>MW-4 cont.</u>					
11/13/91		9.90	0.12	*2.97	NR
12/10/91		9.92	0.10	*2.93	NR
01/21/92		9.50	0.08	*3.33	NR
03/25/92		5.01	0.03	*7.78	NR
06/22/92		7.34	0.02	*5.45	1/2 cup
09/24/92		9.03	Sheen	3.74	None
10/14/92		9.27	0.02	*3.52	1/2 cup
11/16/92		9.09	0.02	*3.70	1/2 cup
12/08/92		10.24	0.02	*2.55	1/2 cup
01/27/93		4.95	0.04	*7.85	None
02/18/93		4.89	0.01	*7.89	None
03/10/93		6.40	Sheen	6.37	1/8 cup
04/06/93		4.36	Sheen	8.41	1/2 cup
05/28/93		NM	NM	NM	2 cups
06/10/93		NM	NM	NM	2 cups
07/17/93		NM	NM	NM	2/5 gallon
08/11/93		NM	NM	NM	1/4 gallon
09/01/93		NM	NM	NM	1/4 gallon
10/26/93		NM	NM	NM	None
11/12/93		NM	NM	NM	None
<u>MW-5</u>					
04/25/89	8.38	8.06	NP	0.32	None
07/18/89			Well Destroyed		
<u>MW-6</u>					
04/25/89	14.27	8.02	NP	6.25	None
09/06/89		13.64	0.08	*0.69	NR
09/22/89		13.79	0.07	*0.54	NR
11/01/89		12.78	Sheen	1.49	None
11/15/89		12.91	Sheen	1.36	None
12/06/89		11.84	NP	2.43	None

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MW-6 cont.					
02/20/90		9.08	NP	5.19	None
04/19/90		9.72	NP	4.55	None
07/03/90		8.00	NP	6.27	None
07/26/90		8.70	NP	5.57	None
08/20/90		9.62	NP	4.65	None
09/19/90		10.25	Sheen	4.02	None
11/27/90		10.82	Sheen	3.45	None
01/17/91		9.93	NP	4.34	None
03/26/91		8.45	NP	5.82	None
05/02/91		8.90	NP	5.37	None
06/20/91		9.47	Sheen	4.80	None
08/07/91		10.10	Sheen	4.17	None
09/17/91		10.21	Sheen	4.06	None
11/13/91		9.62	Sheen	4.65	None
12/10/91		9.59	Sheen	4.68	None
01/21/92		9.25	Sheen	5.02	None
03/25/92		6.88	NP	7.39	None
06/22/92		7.38	NP	6.89	None
09/24/92		8.70	NP	5.57	None
10/14/92		8.91	Sheen	5.36	None
11/16/92		8.75	NP	5.52	None
12/08/92		8.51	Sheen	5.76	None
01/27/93		5.69	NP	8.58	None
02/18/93		4.90	0.10	*9.45	1/8 cup
03/10/93		6.07	0.05	*8.24	1/4 cup
04/06/93		4.98	Sheen	9.29	1/3 cup
05/28/93		NM	NM	NM	3 cups
06/10/93		NM	NM	NM	3 cups
07/17/93		NM	NM	NM	None
08/11/93		NM	NM	NM	None

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MW-6 cont.					
02/20/90		9.08	NP	5.19	None
04/19/90		9.72	NP	4.55	None
07/03/90		8.00	NP	6.27	None
07/26/90		8.70	NP	5.57	None
08/20/90		9.62	NP	4.65	None
09/19/90		10.25	Sheen	4.02	None
11/27/90		10.82	Sheen	3.45	None
01/17/91		9.93	NP	4.34	None
03/26/91		8.45	NP	5.82	None
05/02/91		8.90	NP	5.37	None
06/20/91		9.47	Sheen	4.80	None
08/07/91		10.10	Sheen	4.17	None
09/17/91		10.21	Sheen	4.06	None
11/13/91		9.62	Sheen	4.65	None
12/10/91		9.59	Sheen	4.68	None
01/21/92		9.25	Sheen	5.02	None
03/25/92		6.88	NP	7.39	None
06/22/92		7.38	NP	6.89	None
09/24/92		8.70	NP	5.57	None
10/14/92		8.91	Sheen	5.36	None
11/16/92		8.75	NP	5.52	None
12/08/92		8.51	Sheen	5.76	None
01/27/93		5.69	NP	8.58	None
02/18/93		4.90	0.10	*9.45	1/8 cup
03/10/93		6.07	0.05	*8.24	1/4 cup
04/06/93		4.98	Sheen	9.29	1/3 cup
05/28/93		NM	NM	NM	3 cups
06/10/93		NM	NM	NM	3 cups
07/17/93		NM	NM	NM	None
08/11/93		NM	NM	NM	None

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<u>MW-6 cont.</u>					
09/01/93		NM	NM	NM	1/2 cup
10/26/93		NM	NM	NM	None
11/12/93		NM	NM	NM	None
<u>MW-7</u>	14.84				
04/25/89		8.66	NP	6.18	None
09/06/89		11.72	Sheen	3.12	None
09/22/89		11.89	NP	2.95	None
12/06/89		10.46	NP	4.38	None
02/20/90		8.44	NP	6.40	None
04/19/90		9.54	NP	5.30	None
07/03/90		7.45	NP	7.39	None
07/26/90		8.08	NP	6.76	None
08/20/90		8.82	NP	6.02	None
09/19/90		9.01	NP	5.83	None
11/27/90		9.54	NP	5.30	None
01/17/91		8.50	NP	6.34	None
03/26/91		5.92	NP	8.92	None
05/02/91		7.72	NP	7.12	None
06/20/91		8.19	NP	6.65	None
08/07/91		8.70	NP	6.14	None
09/17/91		8.77	NP	6.07	None
11/13/91		8.51	NP	6.33	None
12/10/91		8.58	NP	6.26	None
01/21/92		8.32	NP	6.52	None
03/25/92		9.27	NP	5.57	None
06/22/92		6.97	NP	7.87	None
09/24/92		8.00	NP	6.84	None
10/14/92		8.15	NP	6.69	None
11/16/92		7.92	NP	6.92	None
12/08/92		7.75	NP	7.09	None

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<u>MW-7 cont.</u>					
01/27/93		5.09	NP	9.75	None
02/18/93		4.51	NP	10.33	None
03/10/93		4.78	NP	10.06	None
04/06/93		4.48	NP	10.36	None
05/28/93		5.44	NP	9.40	None
06/10/93		5.60	NP	9.24	None
07/17/93		6.33	NP	8.51	None
08/11/93		6.87	NP	7.97	None
09/01/93		7.12	NP	7.72	None
10/26/93		7.67	NP	7.17	None
11/12/93		7.69	NP	7.15	None
<u>MW-8</u>	13.45				
04/25/89		8.31	0.66	*5.67	NR
07/19/89		10.97	1.25	*3.48	NR
07/27/89		10.34	0.08	*3.17	NR
09/06/89		11.09	0.17	*2.50	NR
09/22/89		11.58	0.36	*2.16	NR
11/01/89		11.03	NP	2.42	None
11/15/89		11.25	0.01	*2.21	NR
12/06/89		10.30	Sheen	3.15	None
02/20/90		8.00	0.01	*5.46	NR
04/19/90		8.50	NP	4.95	None
07/03/90		7.55	NP	5.90	None
07/26/90		7.86	NP	5.59	None
08/20/90		8.92	NP	4.53	None
09/19/90		9.55	NP	3.90	None
11/27/90		10.29	0.01	*3.17	NR
01/17/91		9.97	Sheen	3.48	None
03/26/91		8.45	Sheen	5.00	None

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<u>MW-8 cont.</u>					
05/02/91		8.85	Sheen	4.60	None
06/20/91		9.45	Sheen	4.00	None
08/07/91		10.00	Sheen	3.45	None
09/17/91		10.11	Sheen	3.34	None
11/13/91		9.63	Sheen	3.82	None
12/10/91		9.66	Sheen	3.79	None
01/21/92		9.35	Sheen	4.10	None
03/25/92		8.02	Sheen	5.43	None
06/22/92		7.01	Sheen	6.44	None
09/24/92		8.33	Sheen	5.12	None
10/14/92		8.65	Sheen	4.80	None
11/16/92		8.27	Sheen	5.18	None
12/08/92		8.25	Sheen	5.20	None
01/27/93		5.22	Sheen	8.23	None
02/18/93		4.27	Sheen	9.18	None
03/10/93		5.30	Sheen	8.15	None
04/06/93		4.56	Sheen	8.89	None
05/28/93		5.62	Sheen	7.83	None
06/10/93		5.75	Sheen	7.70	None
07/17/93		6.43	Sheen	7.02	None
08/11/93		6.99	Sheen	6.46	None
09/01/93		7.33	Sheen	6.12	None
10/26/93		7.98	Sheen	5.47	None
11/12/93		8.07	Sheen	5.38	None
<u>MW-9</u>					
04/25/89	14.64	8.25	NP	6.39	None
09/06/89			Not Accessible		
09/22/89			Not Accessible		
12/06/89		10.12	NP	4.52	None
02/20/90		9.38	NP	5.26	None

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<u>MW-9 cont.</u>				14.64	
04/19/90		9.40	NP	5.24	None
07/03/90		8.79	NP	5.85	None
07/26/90		8.70	NP	5.94	None
08/20/90		9.09	NP	5.55	None
09/19/90		9.52	NP	5.12	None
11/27/90		9.89	NP	4.75	None
01/17/91			Not Accessible		
03/26/91			Not Accessible		
05/02/91		9.10	NP	5.54	None
06/20/91		8.76	NP	5.88	None
08/07/91		9.37	NP	5.27	None
09/17/91		9.57	NP	5.07	None
11/13/91		9.46	NP	5.18	None
12/10/91		9.30	NP	5.34	None
01/21/92		9.68	NP	4.96	None
03/25/92		8.93	NP	5.71	None
06/22/92		7.45	NP	7.19	None
09/24/92		8.69	NP	5.95	None
10/14/92		8.83	NP	5.81	None
11/16/92		8.80	NP	5.84	None
12/08/92		8.70	NP	5.94	None
01/27/93			Not Monitored		
02/18/93		9.22	NP	5.42	None
03/10/93		5.25	NP	9.39	None
04/06/93		5.07	NP	9.57	None
05/28/93		6.08	NP	8.56	None
06/10/93		6.27	NP	8.37	None
07/17/93		7.09	NP	7.55	None
08/11/93		7.60	NP	7.04	None

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<u>MW-9 cont.</u>					
09/01/93		7.95	NP	6.69	None
10/26/93		8.44	NP	6.20	None
11/12/93		8.44	NP	6.20	None
<u>MW-10</u>	14.05				
12/06/89		10.46	NP	3.59	None
02/20/90		8.12	NP	5.93	None
04/19/90		8.54	NP	5.51	None
07/03/90		7.88	NP	6.17	None
07/26/90		8.19	NP	5.86	None
08/20/90		10.33	NP	3.72	None
09/19/90		9.49	NP	4.56	None
11/27/90		9.89	NP	4.16	None
01/17/91		9.19	NP	4.86	None
03/26/91		7.48	NP	6.57	None
05/02/91		8.16	NP	5.89	None
06/20/91		8.75	NP	5.30	None
08/07/91		9.53	NP	4.52	None
09/17/91		9.72	NP	4.33	None
11/13/91		10.02	NP	4.03	None
12/10/91		9.12	NP	4.93	None
01/21/92		8.31	NP	5.74	None
03/25/92		5.70	NP	8.35	None
06/22/92		7.50	NP	6.55	None
09/24/92		8.68	NP	5.37	None
10/14/92		8.88	NP	5.17	None
11/16/92		8.70	NP	5.35	None
12/08/92		8.31	NP	5.74	None
01/27/93		5.49	NP	8.56	None
02/18/93		4.26	NP	9.79	None

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<u>MW-10 cont.</u>					
03/10/93		5.40	NP	8.65	None
04/06/93		5.28	NP	8.77	None
05/28/93		6.22	NP	7.83	None
06/10/93		6.49	NP	7.56	None
07/17/93		6.79	NP	7.26	None
08/11/93		7.20	NP	6.85	None
09/01/93		8.03	NP	6.02	None
10/26/93		8.38	NP	5.67	None
11/12/93		8.49	NP	5.56	None
<u>MW-11</u>					
12/06/89	13.55	10.62	NP	2.93	None
02/20/90		9.20	NP	4.35	None
04/19/90		9.80	NP	3.75	None
07/03/90		8.90	NP	4.65	None
07/26/90		9.36	NP	4.19	None
08/20/90		9.90	NP	3.65	None
09/19/90		10.39	NP	3.16	None
11/27/90		10.97	NP	2.58	None
01/17/91		10.76	NP	2.79	None
03/26/91		8.80	NP	4.75	None
05/02/91		9.38	NP	4.17	None
06/20/91		10.16	NP	3.39	None
08/07/91		10.69	NP	2.86	None
09/17/91		10.80	NP	2.75	None
11/13/91		10.44	NP	3.11	None
12/10/91		10.48	NP	3.07	None
01/21/92		10.10	NP	3.45	None
03/25/92		7.30	NP	6.25	None
06/22/92		9.02	NP	4.53	None
09/24/92		9.91	NP	3.64	None

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<u>MW-11 cont.</u>					
10/14/92		10.11	NP	3.44	None
11/16/92		9.79	NP	3.76	None
12/08/92		9.77	NP	3.78	None
01/27/93		5.67	NP	7.88	None
02/18/93		5.06	NP	8.49	None
03/10/93		6.40	NP	7.15	None
04/06/93		6.42	NP	7.13	None
05/28/93		7.65	NP	5.90	None
06/10/93		7.80	NP	5.75	None
07/17/93		8.42	NP	5.13	None
08/11/93		8.87	NP	4.68	None
09/01/93		9.09	NP	4.46	None
10/26/93		9.70	NP	3.85	None
11/12/93		9.72	NP	3.83	None
<u>MW-12</u>					
12/06/89	12.61	8.00	NP	4.61	None
02/20/90		6.33	NP	6.28	None
04/19/90		7.18	NP	5.43	None
07/03/90		7.41	NP	5.20	None
07/26/90		6.54	NP	6.07	None
08/20/90		7.23	NP	5.38	None
09/19/90		7.77	NP	4.84	None
11/27/90		8.15	NP	4.46	None
01/17/91		8.06	NP	4.55	None
03/26/91		7.21	NP	5.40	None
05/02/91		7.60	Sheen	5.01	None
06/20/91		8.02	Sheen	4.59	None
08/07/91		8.25	Sheen	4.36	None
09/17/91		8.20	Sheen	4.41	None

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<u>MW-12 cont.</u>					
11/13/91		7.77	Sheen	4.84	None
12/10/91		7.75	Sheen	4.86	None
01/21/92		7.08	Sheen	5.53	None
03/25/92		4.93	Sheen	7.68	None
06/22/92		6.04	Sheen	6.57	None
09/24/92		6.94	NP	5.67	None
10/14/92		7.21	Sheen	5.40	None
11/16/92		7.00	Sheen	5.61	None
12/08/92		6.70	Sheen	5.91	None
01/27/93		4.16	Sheen	8.45	None
02/18/93		4.01	Sheen	8.60	None
03/10/93		3.94	Sheen	8.67	None
04/06/93		3.69	Sheen	8.92	None
05/28/93		4.66	Sheen	7.95	None
06/10/93		4.78	Sheen	7.83	None
07/17/93		5.42	Sheen	7.19	None
08/11/93		5.83	Sheen	6.78	None
09/01/93		6.22	Sheen	6.39	None
10/26/93		6.82	NP	5.79	None
11/12/93		6.88	NP	5.73	None
<u>MW-13</u>					
12/06/89	14.20	9.35	NP	4.85	None
02/20/90		7.73	NP	6.47	None
04/19/90		8.68	NP	5.52	None
07/03/90		8.00	NP	6.20	None
07/26/90		7.95	NP	6.25	None
08/20/90		8.66	NP	5.54	None
09/19/90		9.13	NP	5.07	None
11/27/90		9.49	NP	4.71	None

Quarterly Groundwater Sampling
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TABLE 1
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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
<u>MW-13 cont.</u>					
01/17/91		9.61	NP	4.59	None
03/26/91		9.25	NP	4.95	None
05/02/91		9.31	NP	4.89	None
06/20/91		9.73	NP	4.47	None
08/07/91			Not Accessible		
09/17/91		9.72	NP	4.48	None
11/13/91		9.06	NP	5.14	None
12/10/91		9.04	NP	5.16	None
01/21/92		8.41	NP	5.79	None
03/25/92		5.72	Sheen	8.48	None
06/22/92		7.31	Sheen	6.89	None
09/24/92		8.30	NP	5.90	None
10/14/92		8.56	Sheen	5.64	None
11/16/92		8.36	Sheen	5.84	None
12/08/92		8.10	Sheen	6.10	None
01/27/93			Not Monitored		
02/18/93		4.89	Sheen	9.31	None
03/10/93		5.32	Sheen	8.88	None
04/06/93		5.10	Sheen	9.10	None
05/28/93		6.00	Sheen	8.20	None
06/10/93		6.15	Sheen	8.05	None
07/17/93		6.82	Sheen	7.38	None
08/11/93		7.31	Sheen	6.89	None
09/01/93		7.62	Sheen	6.58	None
10/26/93		8.22	NP	5.98	None
12/93		8.29	NP	5.91	None
<u>MW-14</u>					
11/27/90	15.18	9.88	NP	5.30	None
01/17/91		9.13	NP	6.05	None
03/26/91		8.51	NP	6.67	None

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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
<u>MW-14 cont.</u>					
05/02/91		8.45	NP	6.73	None
06/20/91		8.38	NP	6.80	None
08/07/91		9.04	NP	6.14	None
09/17/91		9.14	NP	6.04	None
11/13/91		8.83	NP	6.35	None
12/10/91		8.90	NP	6.28	None
01/21/92		8.58	NP	6.60	None
03/25/92		6.15	NP	9.03	None
06/22/92		7.70	NP	7.48	None
09/24/92		9.34	NP	5.84	None
10/14/92		9.40	NP	5.78	None
11/16/92		9.17	NP	6.01	None
12/08/92		8.89	NP	6.29	None
01/27/93		8.54	NP	6.64	None
02/18/93			Not Monitored		
03/10/93		5.55	NP	9.63	None
04/06/93		5.34	NP	9.84	None
05/28/93		6.07	NP	9.11	None
06/10/93		6.30	NP	8.88	None
07/17/93		7.77	NP	7.41	None
08/11/93		7.62	NP	7.56	None
09/01/93		8.09	NP	7.09	None
10/26/93		8.18	NP	7.00	None
11/12/93		8.16	NP	7.02	None
<u>MW-15</u>					
11/27/90	13.73	8.67	NP	5.06	None
01/17/91		8.03	NP	5.70	None
03/26/91			Not Accessible		
05/02/91		7.09	NP	6.64	None

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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
<u>MW-15 cont.</u>					
06/20/91		7.06	NP	6.67	None
08/07/91		7.59	NP	6.14	None
09/17/91		7.89	NP	5.84	None
11/13/91		9.07	NP	4.66	None
12/10/91		8.60	NP	5.13	None
01/21/92		9.15	NP	4.58	None
03/25/92		8.10	NP	5.63	None
06/22/92		5.80	NP	7.93	None
09/24/92		7.21	NP	6.52	None
10/14/92		7.40	NP	6.33	None
11/16/92		7.55	NP	6.18	None
12/08/92		7.42	NP	6.31	None
01/27/93		4.37	NP	9.36	None
02/18/93		4.14	Sheen	9.59	None
03/10/93			Not Accessible		
04/06/93		3.16	NP	10.57	Sheen
05/28/93		4.47	NP	9.26	None
06/10/93		4.59	Sheen	9.14	None
07/17/93		5.51	NP	8.22	None
08/11/93		6.13	Sheen	7.60	None
09/01/93		6.45	Sheen	7.28	None
10/26/93		7.16	NP	6.57	None
11/12/93		7.82	NP	5.91	None
<u>VW-1</u>					
02/18/93	14.01	4.52	NP	9.49	None
03/10/93		5.25	NP	8.76	None
04/06/93		5.06	NP	8.95	None
05/28/93		5.52	NP	8.49	None
06/10/93		5.62	NP	8.39	None

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CUMULATIVE GROUNDWATER MONITORING DATA
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WELL DATE	WELL ELEVATION	DEPTH TO WATER	PRODUCT THICKNESS	GROUNDWATER ELEVATION	PRODUCT REMOVED
<u>VW-1 cont.</u>					
07/17/93		6.23	NP	7.78	None
08/11/93				Dry	
09/01/93				Dry	
10/26/93				Dry	
11/12/93				Dry	
<u>VW-2</u>	14.09				
02/18/93		4.41	NP	9.68	None
03/10/93		5.17	NP	8.92	None
04/06/93		5.04	NP	9.05	None
05/28/93		5.46	NP	8.63	None
06/10/93		5.60	NP	8.49	None
07/17/93		6.38	NP	7.71	None
08/11/93		7.90	NP	6.19	None
09/01/93		7.31	0.01	*6.79	None
10/26/93				Dry	
11/12/93				Dry	
<u>VW-3</u>	13.37				
02/18/93		4.62	NP	8.69	None
03/10/93		4.41	NP	8.90	None
04/06/93		4.10	NP	9.21	None
05/28/93		4.98	NP	8.33	None
06/10/93		4.98	NP	8.33	None
07/17/93		5.57	NP	7.74	None
08/11/93		7.69	NP	5.62	None
09/01/93		6.78	0.01	*6.54	None
10/26/93				Dry	
11/12/93				Dry	

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Well elevations relative to Mean Sea Level (MSL).

Measurements in feet.

- * : Groundwater elevation corrected for presence of free-phase petroleum hydrocarbons. See appendix A.
- NR : Not Recorded
- NM : Not Measured
- NA : Not Applicable
- NP : No Free-phase petroleum hydrocarbons

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES

Former Exxon Station 7-3006

Oakland, California

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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-1</u>								
05/88	0.240	0.090	0.005	0.015	0.025	NA	NA	ND
12/89	0.630	0.012	0.0056	0.0037	0.025	0.24	NA	NA
04/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
07/90	0.130	0.006	<0.0005	<0.0005	<0.0005	0.16	NA	NA
11/90	<0.050	0.0007	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
03/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
06/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
09/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA
12/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
03/92	<0.050	0.0015	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
06/92	0.110	0.0049	0.0079	0.0037	0.021	0.075	NA	NA
09/92	<0.050	<0.0005	0.0006	<0.0005	<0.0005	<0.05	NA	NA
12/92	0.170	0.010	<0.0005	<0.0005	0.0006	0.051	NA	NA
03/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.14	NA	NA
06/93 ³	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
08/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	ND
		<0.005*	<0.005*	<0.005*	<0.005*	<0.05 ²	NA	ND
10/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA

TABLE 2
 CUMULATIVE RESULTS OF LABORATORY ANALYSES
 OF GROUNDWATER SAMPLES
 Former Exxon Station 7-3006
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-2								
09/87	1.445	0.233	0.81	0.056	0.209	NA	NA	NA
05/88					Free-phase petroleum hydrocarbons			
12/89					Free-phase petroleum hydrocarbons			
04/90					Free-phase petroleum hydrocarbons			
07/90					Free-phase petroleum hydrocarbons			
11/90					Free-phase petroleum hydrocarbons			
03/91					Free-phase petroleum hydrocarbons			
06/91					Free-phase petroleum hydrocarbons			
09/91					Free-phase petroleum hydrocarbons			
12/91					Free-phase petroleum hydrocarbons			
03/92					Free-phase petroleum hydrocarbons			
06/92					Free-phase petroleum hydrocarbons			
09/92					Sheen			
12/92					Free-phase petroleum hydrocarbons			
03/93					Sheen			
06/93					Free-phase petroleum hydrocarbons			
08/93					Free-phase petroleum hydrocarbons			
10/93					Sheen			

TABLE 2
 CUMULATIVE RESULTS OF LABORATORY ANALYSES
 OF GROUNDWATER SAMPLES
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
MW-3								
09/87	2.101	0.360	1.062	0.068	0.298	0.66	NA	NA
05/88	8.700	3.98	0.28	0.24	0.60	NA	NA	NA
12/89								
04/90								
07/90								
11/90								
03/91								
06/91								
09/91								
12/91								
03/92								
06/92								
09/92								
12/92								
03/93								
06/93								
08/93	5.100	1.300 2.000*	0.012 <0.0025*	0.087 0.160*	0.047 0.060*	3.2 0.140 ⁶	NA	ND

TABLE 2
 CUMULATIVE RESULTS OF LABORATORY ANALYSES
 OF GROUNDWATER SAMPLES
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
10/93	Sheen							
MW-4								
09/87	92.500	0.070	0.007	0.010	0.016	0.74	NA	NA
05/88								
12/89								
04/90								
07/90								
11/90								
03/91								
06/91								
09/91								
12/91								
03/92								
06/92								
09/92								
12/92								
03/93								
06/93								
08/93								

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES

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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
10/93	Sheen							
<u>MW-5</u>								
09/87	26.660	0.56	1.71	1.58	7.15	37.22	NA	NA
05/88	Free-phase petroleum hydrocarbons							
07/89	Well Destroyed							
<u>MW-6</u>								
05/88	29.300	12.82	0.55	1.44	5.50	NA	NA	NA
12/89	9.000	0.37	0.013	0.0026	0.43	4.8	NA	NA
04/90	27.000	3.0	0.12	0.49	2.1	26	NA	NA
07/90	30.000	5.5	1.4	1.2	3.1	13	NA	NA
11/90	15.000	4.4	0.12	0.8	2.3	7.6	NA	NA
03/91	55.000	10	0.38	1.6	6.9	<0.10	NA	NA
06/91	Sheen							
09/91	17.000	4.5	0.16	0.89	3.1	NA	NA	NA
12/91	32.000	6.0	0.29	1.4	4.7	1.2	NA	NA
03/92	21.000	8.0	0.25	1.7	5.0	2.7	NA	NA
06/92	43.000	11	0.15	2.1	5.0	1.7	NA	NA
09/92	45.000	9.8	0.27	1.7	3.6	2.0	NA	NA
12/92	Sheen							

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-6 cont.</u>								
03/93	Free-phase petroleum hydrocarbons							
06/93	130.000	9.80	0.650	5.10	12.0	38.0	23.0	
08/93	Free-phase petroleum hydrocarbons							
10/93	Sheen							
<u>MW-7</u>								
09/87	1.531	0.258	0.002	<0.002	0.042	2.79	NA	ND
05/88	NA	0.30*	<0.01*	<0.01*	<0.01*	0.019	NA	ND
12/89	1.700	0.220	0.0053	0.005	0.0086	2.5	<5	ND
04/90	2.700	0.220	0.0086	0.007	0.020	3.5	NA	ND
07/90	2.500	0.380	0.013	0.016	0.035	0.91	NA	ND
11/90	2.300	0.630	0.016	0.032	0.029	1.3	NA	0.0024 ¹
03/91	3.500	0.420	0.018	0.017	0.027	<0.10	NA	ND
06/91	3.100	0.270	0.0088	0.033	0.019	<0.10	NA	NA
09/91	2.400	0.390	0.01	0.015	0.018	NA	NA	NA
12/91	1.700	0.290	0.0053	0.0071	<0.0005	0.53	NA	NA
03/92	1.500	0.320	0.0072	0.016	0.019	0.76	NA	NA
06/92	3.100	0.260	0.0058	0.021	0.027	0.83	NA	NA
09/92	3.900	0.160	0.0046	0.0037	0.013	0.66	NA	NA

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-7 cont.</u>								
12/92	17.000	1.100	0.035	0.077	0.046	0.54	NA	NA
03/93	3.500	0.160	0.0062	0.022	0.019	0.64	<5.0	**
06/93	1.600	0.140	0.0065	0.022	0.061	0.57	NA	NA
08/93	2.700	0.130	0.0013	0.013	0.012	0.37	NA	ND
		0.140*	0.005*	0.012*	0.010*	2.000 ⁶		
10/93	2.500	0.090	0.0047	0.0066	0.015	1.0	NA	NA
<u>MW-8</u>								
09/87	1.325	0.081	0.074	0.042	0.182	NA	NA	NA
05/88			Free-phase petroleum hydrocarbons					
12/89	42.000	2.6	0.63	0.21	3.7	34	NA	NA
04/90	49.000	2.1	0.82	1.1	4.8	53	NA	NA
07/90	44.000	4.0	1.5	2.0	6.3	32	NA	NA
11/90			Free-phase petroleum hydrocarbons					
03/91			Sheen					
06/91			Sheen					
09/91	57.000	14	7.8	3.1	12	NA	NA	NA
12/91	66.000	9.5	5.0	3.1	12	1.4	NA	NA
03/92			Sheen					

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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-8 cont.</u>								
06/92				Sheen				
09/92				Sheen				
12/92				Sheen				
03/93				Sheen				
06/93				Sheen				
08/93	53.000	4.200 4.900*	1.300 1.600*	2.600 3.300*	7.200 8.200*	2.6 0.370 ⁶	NA	ND
10/93				Sheen				
<u>MW-9</u>								
05/88	<0.050	<0.0005	0.001	<0.001	<0.001	NA	NA	ND
12/89	0.100	0.0018	0.0037	0.0014	0.0088	0.11	<5	ND
04/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	ND
07/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	ND
11/90	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	ND
03/91				Not Accessible				
06/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
09/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA
12/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.052	NA	NA

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CUMULATIVE RESULTS OF LABORATORY ANALYSES
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-9 cont.</u>								
03/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
06/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
09/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
12/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
03/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
06/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
08/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	ND
		<0.005*	<0.005*	<0.005*	<0.005*	<0.050 ²		
10/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.050	NA	NA
<u>MW-10</u>								
12/89	0.320	0.0037	0.014	0.0056	0.032	<0.10	NA	NA
04/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	ND
07/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
11/90	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
03/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
06/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
09/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.10	NA	NA
12/91	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
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WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-11 cont.</u>								
03/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
06/92	0.084	0.0015	0.0031	0.0014	0.0096	0.057	NA	NA
09/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
12/92	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.31	NA	NA
03/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.24	NA	NA
06/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	<0.05	NA	NA
08/93	<0.050	0.0005	0.0007	0.0012	0.0027	<0.05	NA	ND
		<0.005*	<0.005*	<0.005*	<0.005*	<0.050 ²		
10/93	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	0.08	NA	NA
<u>MW-12</u>								
12/89	85	6.7	6.3	1.8	7.8	40	NA	NA
04/90	110	6.6	7.4	1.8	11	97	NA	NA
07/90	92	11	11	3.1	13	50	NA	NA
11/90	69	11	10	3.1	12	31	NA	NA
03/91	100	15	16	2.4	11	<0.10	NA	NA
06/91				Sheen				
09/91	82	22	18	3.9	16	NA	NA	NA
12/91	99	18	16	3	11	1.7	NA	NA

TABLE 2
 CUMULATIVE RESULTS OF LABORATORY ANALYSES
 OF GROUNDWATER SAMPLES
 Former Exxon Station 7-3006
 Oakland, California
 Page 12 of 16
 See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-12 cont.</u>								
03/92				Sheen				
06/92				Sheen				
09/92	570	62	46	15	57	3.1	NA	NA
12/92				Sheen				
03/93				Sheen				
06/93				Sheen				
08/93	94	10	8.3	2.8	13	2.4	NA	ND
		13*	11*	4.0*	15*	0.190 ⁶		
10/93	68	11	8.5	3.4	13	17	NA	NA
<u>MW-13</u>								
12/89	52	2.1	2.0	1.4	6.1	31	NA	NA
04/90	59	1.8	1.5	1.4	7.2	54	NA	NA
07/90	53	4.5	3.1	2.2	7.8	26	NA	NA
11/90	20	4.5	1.1	0.88	3.3	1.6	NA	NA
03/91	72	10	8.3	1.7	6.9	<0.10	NA	NA
06/91	44	5.6	3.1	0.75	2.6	<0.10	NA	NA
09/91	40	11	6.5	2.4	8.1	NA	NA	NA
12/91	72	11	7.4	2.5	9.4	3.7	NA	NA

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
Page 13 of 16
See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-13 cont.</u>								
03/92				Sheen				
06/92				Sheen				
09/92	86	9.5	6.1	2.4	10	2.9	NA	NA
12/92				Sheen				
03/93				Sheen				
06/93				Sheen				
08/93	62	5.6	2.7	2.3	11	2.5	NA	ND
		7.7*	3.7*	3.5*	14*	0.360 ⁶		
10/93	46	5.2	3.2	2.5	11	15	NA	NA
<u>MW-14</u>								
11/90	0.39	<0.0005	<0.0005	0.0036	0.0037	0.12	NA	NA
03/91	0.20	<0.0005	0.0015	0.0008	0.0036	<0.10	NA	NA
06/91	0.11	<0.0005	<0.0005	<.0005	<0.0005	<0.10	NA	NA
09/91	0.45	<0.0005	<0.0005	0.0032	0.0023	NA	NA	NA
12/91	0.071	0.0005	<0.0005	<0.0005	<0.0005	0.28	NA	NA
03/92	0.061	<0.0005	<0.0005	0.0011	<0.0005	0.64	NA	NA
06/92	0.140	<0.0005	<0.0005	0.0006	0.0020	0.35	NA	NA
09/92	0.075	<0.0005	<0.0005	<0.0005	<0.0005	0.30	NA	NA

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
Page 14 of 16
See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-14 cont.</u>								
12/92	0.35	0.0025	0.0010	0.0015	0.0081	0.22	NA	NA
03/93	0.41	<0.0005	<0.0005	0.0009	0.0016	<0.25 ²	NA	NA
06/93	0.180	<0.0005	<0.0005	0.0008	0.0019	0.18 <0.50 ⁵	NA	NA
08/93	0.180	0.0006 <0.005*	<0.0005 <0.005*	0.0016 <0.005*	0.0037 <0.005*	0.18 0.140 ⁶	NA	ND
10/93	0.260	<0.0005	<0.0005	<0.0005	0.0036	0.20	NA	NA
<u>MW-15</u>								
11/90	2.7	0.21	0.0055	0.6	0.25	0.34	NA	NA
03/91				Not Accessible				
06/91	0.38	<0.0005	<0.0005	<0.0005	0.0013	<0.10	NA	NA
09/91	0.49	0.0029	0.0017	0.033	0.0013	NA	NA	NA
12/91	1.6	0.014	0.0011	0.066	0.0098	0.30	NA	NA
03/92	3.4	0.15	0.013	0.690	0.250	1.4	NA	NA
06/92	6.6	0.099	<0.0005	0.670	0.180	0.86	NA	NA
09/92	3.6	0.120	0.007	0.480	0.047	0.74	NA	NA
12/92	1.6	0.043	0.0016	0.170	0.023	0.43	NA	NA
03/93				Not Accessible				

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Exxon Station 7-3006
Oakland, California
Page 15 of 16
See notes on page 16

WELL DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TPHd	TOG	VOCs
<u>MW-15 cont.</u>								
06/93				Sheen				
08/93	4.8	0.049	<0.0025	0.410	0.034	0.71	NA	ND
		0.070*	<0.005*	0.640*	0.026*	0.30 ⁶		
10/93	3.4	0.079	<0.0025	0.115	0.032	0.97	NA	NA
<u>VW-1</u>								
06/93				Not Sampled				
08/93				Not Sampled				
10/93				Not Sampled				
<u>VW-2</u>								
06/93				Not Sampled				
08/93				Not Sampled				
10/93				Not Sampled				
<u>VW-3</u>								
06/93				Not Sampled				
08/93				Not Sampled				
10/93				Not Sampled				
	MCLs	0.001	---	0.680	1.750	---	---	---
	DWAL	---	0.100	---	---	---	---	---

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Exxon Station 7-3006
Oakland, California
Page 16 of 16

Results in parts per million (ppm).

<	:	Less than the laboratory detection limit.
NA	:	Not Analyzed
ND	:	Nondetectable
—	:	Not applicable
TPHg	:	Total petroleum hydrocarbons as gasoline using modified EPA method 5030/8015.
BTEX	:	Analyzed using modified EPA method 5030/8020.
TPHd	:	Total petroleum hydrocarbons as diesel using EPA method 3510/8015.
TOG	:	Total Oil and Grease using Standard Method 5520 B/F.
VOC	:	Volatile Organic Compounds analyzed by EPA method 5030/8010.
*	:	Analyzed using EPA method 624 (volatile organic compounds).
**	:	See Table 3 for additional analyses
1	:	Chloromethane
2	:	Analyzed for Stoddard Solvent using EPA method 5030/8015.
3	:	Additional Analysis on MW-1 - Fecal Coliform Most Probable Number (MPN)/100 ml.
4	:	VOCs Detected using EPA Method 624 - 16 ppm Benzene, 0.48 ppm Toluene, 4.5 ppm ethylbenzene, 9.9 Total Xylenes.
	:	VOCs Detected using EPA Method 625 - 1.8 ppm Naphthalene, 0.6 ppm 2-Methylnaphthalene, Bis(2-ethylhexyl) phthalate
5	:	Stoddard Solution detected in the sample at approximately 0.32 ppm
6	:	Analyzed for Stoddard Solvent using modified EPA method 5030/8015. Sample chromatogram was not representative of a Stoddard Solvent pattern. Pattern was representative of the heavier hydrocarbons found in a gasoline pattern.
MCLs	:	Maximum Contaminant Levels in drinking water, DHS (October 1990).
DWAL	:	Drinking Water Action Level, DHS (October 1990).

TABLE 3
 RESULTS OF ADDITIONAL LABORATORY ANALYSES OF
 WATER SAMPLES FROM WELL MW-7 on March 11, 1993
 Former Exxon Station 7-3006
 Oakland, California
 Page 1 of 2
 (See notes on page 2)

PARAMETER	CONCENTRATION	MCL	EPA METHOD
<u>INORGANIC ANALYSES</u>			
Total Alkalinity, as CaCO ₃	360	---	
Bicarbonate Alkalinity, as CaCO ₃	360	---	
Carbonate Alkalinity, as CaCO ₃	<10	---	
Hydroxide Alkalinity, as CaCO ₃	<10	---	
Antimony	<0.06	---	6010/200.7, ICP
Arsenic	0.016	0.05	7060, Furnace AAS
Beryllium	<0.01	---	6010/200.7, ICP
Cadmium	<0.005	0.01	6010/200.7, ICP
Calcium	28	---	6010/200.7, ICP
Chloride	11	250	SM 407A
Chromium	<0.01	0.05	6010/200.7, ICP
Copper	<0.01	1.0	6010/200.7, ICP
Cyanides	<0.005	---	
Iron	1.6	0.3	6010/200.7, ICP
Lead	<0.1	0.05	6010/200.7, ICP
Magnesium	47	---	6010/200.7, ICP
Manganese	1.4	0.05	6010/200.7, ICP
Mercury	0.0004	0.002	7470, Cold Vapor AA
Nickel	<0.02	---	6010/200.7, ICP
Selenium	<0.005	0.01	7740, Furnace AAS
Silver	<0.01	0.05	6010/200.7, ICP
Sodium	63	---	6010, ICP
Sulfate	<1.0	250	375.4
Thallium	<0.2	---	6010/200.7, ICP
Zinc	0.02	5.0	6010/200.7, ICP
pH, at 25°C	7.0	---	---

TABLE 3
 RESULTS OF ADDITIONAL LABORATORY ANALYSES OF
 WATER SAMPLES FROM WELL MW-7 on March 11, 1993
 Former Exxon Station 7-3006
 Oakland, California
 Page 2 of 2
 (See notes on page 2)

PARAMETER	CONCENTRATION	MCL	EPA METHOD
Specific Conductance, umhos/cm at 25°C	600	900	---
Total Dissolved Solids	400	500	160.1
Total Hardness, as CaCO ₃	260	---	---
<u>ORGANIC ANALYSES*</u>			
Organic Lead, as Pb	<0.1	---	DHS Method 338
Benzene	0.18	0.001	624
Toluene	0.006	0.100	624
Ethylbenzene	0.016	0.680	624
Total Xylenes	0.010	1.75	624
Naphthalene	0.027	---	625

Results in parts per million (ppm) unless otherwise noted.

MCL : Maximum Contaminant Level for drinking water standards recommended by the California State Department of Health Services (October 1990).

--- : Not Applicable

* : All other compounds were not detected.

DHS : Department of Health Services

APPENDIX A
WELL PURGE DATA SHEETS

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.01

Date: October 26, 1993

Page 1 of 1

Well No. MW-1

Time Started 17:43

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
17:43	Start purging MW-1				
17:43	0	73.5	6.58	7.79	25.2
17:50	12.5	71.9	6.52	7.51	3.9
17:58	25	71.8	6.58	7.53	4.2
18:06	37.5	70.4	6.56	7.52	1.7
18:16	52	68.5	7.70	7.43	1.2
18:15	Stop purging MW-1				
Notes:					
<p style="text-align: right;">Well Diameter (inches) : 4 Depth to Bottom (feet) : 28.84 Depth to Water - initial (feet) : 9.41 Depth to Water - final (feet) (10/27/93) : 9.66 % recovery : 99 Time Sampled(10/27/93) : 15:15 Gallons per Well Casing Volume : 12.69 Gallons Purged : 52 Well Casing Volume Purged : 4.1 Approximate Pumping Rate (gpm) : 1.7</p>					

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.01

Date: October 26, 1993

Page 1 of 1

Well No. MW-9

Time Started 0955

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho x 100)	TURBIDITY (NTU)
14:40	Start purging MW-9				
14:40	0	87.2	6.55	7.32	>200
14:48	15	83.7	6.62	7.25	44.0
14:57	30	79.9	6.51	6.35	25.0
15:00	Dry at 36.5 gallons				
15:51	45	80.4	6.68	6.41	45.7
15:51	Stop purging MW-9				
Notes:					
Well Diameter (inches) : 4					
Depth to Bottom (feet) : 31.66					
Depth to Water - initial (feet) : 8.44					
Depth to Water - final (feet) (10/27/93) : 9.40					
% recovery : 100					
Time Sampled (10/27/93) : 12:15					
Gallons per Well Casing Volume : 14.53					
Gallons Purged : 45					
Well Casing Volume Purged : 3.0					
Approximate Pumping Rate (gpm) : 0.6					

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.01

Date: October 27, 1993

Page 1 of 1

Well No. MW-10

Time Started 10:25

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
10:25	Start purging MW-10				
10:25	0	73.7	6.70	4.37	15.6
10:37	11	73.7	6.92	4.24	5.1
10:45	Dry at 21 gallons				
11:16	22	75.0	6.82	4.27	1.4
11:35	Dry at 33 gallons				
11:35	Stop purging MW-10				

Notes:

Well Diameter (inches) : 4
 Depth to Bottom (feet) : 24.87
 Depth to Water - initial (feet)(10/26/93) : 8.38
 Depth to Water - final (feet) : 9.16
 % recovery : 94
 Time Sampled : 17:00
 Gallons per Well Casing Volume : 10.83
 Gallons Purged : 33
 Well Casing Volume Purged : 3.1
 Approximate Pumping Rate (gpm) : 0.3

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.01

Date: October 26, 1993

Page 1 of 1

Well No. MW-11

Time Started 16:11

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
16:11	Start purging MW-11				
16:11	0	78.6	6.53	6.49	9.7
16:23	13	79.1	6.63	5.84	4.8
16:35	26	75.8	6.53	6.11	0.9
16:45	Dry at 39 gallons				
17:16	39	77.2	6.49	6.52	4.5
17:28	53	75.2	6.52	6.14	17.5
17:28	Stop purging MW-11				
Notes:					
Well Diameter (inches) : 4					
Depth to Bottom (feet) : 30.16					
Depth to Water - initial (feet) : 9.70					
Depth to Water - final (feet)(10/27/93) : 10.0					
% recovery : 98					
Time Sampled(10/27/93) : 13:15					
Gallons per Well Casing Volume : 13.36					
Gallons Purged : 53					
Well Casing Volume Purged : 4.0					
Approximate Pumping Rate (gpm) : 0.7					

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.01

Date: October 28, 1993

Page 1 of 1

Well No. MW-12

Time Started 9:37

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
9:37	Start purging MW-12				
9:37	0	70.7	6.56	4.44	35.0
9:42	5	72.7	6.55	4.76	12.1
9:48	10	72.0	6.57	4.80	4.9
9:54	15	72.4	6.56	4.91	6.0
10:00	20	72.5	6.54	4.95	5.0
10:00	Stop purging MW-12				
Notes:					
Well Diameter (inches) : 4					
Depth to Bottom (feet) : 14.71					
Depth to Water - initial (feet) (10/26/93) : 6.82					
Depth to Water - final (feet) : 6.96					
% recovery : 100					
Time Sampled : 11:00					
Gallons per Well Casing Volume : 5.15					
Gallons Purged : 20					
Well Casing Volume Purged : 3.9					
Approximate Pumping Rate (gpm) : 0.9					

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.01

Date: October 27, 1993

Page 1 of 1

Well No. MW-13

Time Started 17:00

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
17:00	Start purging MW-13				
17:00	0	80.1	6.49	6.38	9.2
17:06	4.5	79.1	6.59	4.77	4.4
17:20	9	75.9	6.60	4.98	5.2
17:25	Dry at 12 gallons				
18:00	13.5	74.6	6.56	5.28	4.4
18:10	18	73.3	6.55	4.24	3.2
18:10	Stop purging MW-13				

Notes:

Well Diameter (inches) : 4
 Depth to Bottom (feet) : 15.28
 Depth to Water - initial (feet) (10/26/93) : 8.22
 Depth to Water - final (feet) (10/28/93) : 8.30
 % recovery : 98
 Time Sampled (10/28/93) : 10:45
 Gallons per Well Casing Volume : 4.61
 Gallons Purged : 18
 Well Casing Volume Purged : 3.9
 Approximate Pumping Rate (gpm) : 0.3

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.01

Date: October 27, 1993

Page 1 of 1

Well No. MW-14

Time Started 11:45

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
11:45	Start purging MW-14				
11:45	0	75.1	6.68	6.55	1.1
11:54	6	76.6	6.71	6.47	1.3
12:03	Dry at 10.5 gallons				
12:36	Dry at 11.5 gallons				
12:36	Stop purging MW-14				
Notes:					
Well Diameter (inches) : 4					
Depth to Bottom (feet) : 17.37					
Depth to Water - initial (feet) (10/26/93) : 8.18					
Depth to Water - final (feet) : 9.74					
% recovery : 83					
Time Sampled : 17:30					
Gallons per Well Casing Volume : 6.0					
Gallons Purged : 11.5					
Well Casing Volume Purged : 1.9					
Approximate Pumping Rate (gpm) : 0.1					

WELL PURGE DATA SHEET

Project Name: Exxon 7-3006

Job No. 130006.01

Date: October 27, 1993

Page 1 of 1

Well No. MW-15

Time Started 14:25

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
14:25	Start purging MW-15				
14:25	0	81.6	6.59	10.62	3.5
14:33	6	79.8	6.76	10.50	6.6
14:49	12	81.6	6.80	10.67	5.1
14:50	Dry at 12 gallons				
15:35	Dry at 16 gallons				
15:35	Stop purging MW-15				
Notes:					
Well Diameter (inches) : 4					
Depth to Bottom (feet) : 16.79					
Depth to Water - initial (feet) (10/26/93) : 7.16					
Depth to Water - final (feet) (10/28/93) : 8.37					
% recovery : 87					
Time Sampled (10/28/93) : 10:15					
Gallons per Well Casing Volume : 6.29					
Gallons Purged : 16					
Well Casing Volume Purged : 2.5					
Approximate Pumping Rate (gpm) : 0.2					

APPENDIX B

**LABORATORY ANALYSIS REPORTS
AND CHAIN OF CUSTODY RECORDS**

REPORT OF LABORATORY ANALYSIS

November 05, 1993

RECEIVED

NOV 10 1993

RESNA
SAN JOSE

Mr. Marc Briggs
RESNA
3315 Almaden Expressway Suite 34
San Jose, CA 95118

RE: PACE Project No. 431029.506
Client Reference: Exxon 7-3006 (EE)

Dear Mr. Briggs:

Enclosed is the report of laboratory analyses for samples received October 29, 1993.

Please note a peak eluting earlier than Benzene and suspected to be methyl tert butyl ether was present in your sample W-10-MW-11.

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Stephanie Matzo

Stephanie Matzo
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

RESNA
 3315 Almaden Expressway Suite 34
 San Jose, CA 95118

November 05, 1993
 PACE Project Number: 431029506

Attn: Mr. Marc Briggs

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0183600
 Date Collected: 10/28/93
 Date Received: 10/29/93
 W-8-MW-15

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
<u>ORGANIC ANALYSIS</u>			
PURGEABLE FUELS AND AROMATICS			
TOTAL FUEL HYDROCARBONS, (LIGHT):			
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	250	3400
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			
Benzene	ug/L	2.5	79
Toluene	ug/L	2.5	ND
Ethylbenzene	ug/L	2.5	115
Xylenes, Total	ug/L	2.5	32
EXTRACTABLE FUELS EPA 3510/8015			
Extractable Fuels, as Diesel	mg/L	0.05	0.97
Date Extracted			11/01/93



REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
Page 2

November 05, 1993
PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0183626
Date Collected: 10/28/93
Date Received: 10/29/93
Client Sample ID: W-8-MW-13

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>		<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):			-	11/02/93
-----------------------------------	--	--	---	----------

Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	5000	46000	11/02/93
--	------	------	-------	----------

PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	11/02/93
--	--	--	---	----------

Benzene	ug/L	50	5200	11/02/93
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Toluene	ug/L	50	3200	11/02/93
---------	------	----	------	----------

Ethylbenzene	ug/L	50	2500	11/02/93
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Xylenes, Total	ug/L	50	11000	11/02/93
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EXTRACTABLE FUELS EPA 3510/8015

Extractable Fuels, as Diesel	mg/L	0.25	15	11/03/93
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Date Extracted			11/01/93	
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REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
 Page 4

November 05, 1993
 PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0183650
 Date Collected: 10/27/93
 Date Received: 10/29/93
 Client Sample ID: Rinsate

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):			-	11/02/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	11/02/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	11/02/93
Benzene	ug/L	0.5	ND	11/02/93
Toluene	ug/L	0.5	ND	11/02/93
Ethylbenzene	ug/L	0.5	ND	11/02/93
Xylenes, Total	ug/L	0.5	ND	11/02/93

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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November 05, 1993
 PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0183669
 Date Collected: 10/27/93
 Date Received: 10/29/93
 Client Sample ID: MW-9R

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

<u>PURGEABLE FUELS AND AROMATICS</u>			
<u>TOTAL FUEL HYDROCARBONS, (LIGHT):</u>			
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
<u>PURGEABLE AROMATICS (BTXE BY EPA 8020M):</u>			
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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November 05, 1993
 PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0183693
 Date Collected: 10/27/93
 Date Received: 10/29/93
 Client Sample ID: W-10-MW-11

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

<u>PURGEABLE FUELS AND AROMATICS</u>				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	11/03/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	11/03/93
<u>PURGEABLE AROMATICS (BTXE BY EPA 8020M):</u>				
Benzene	ug/L	0.5	ND	11/03/93
Toluene	ug/L	0.5	ND	11/03/93
Ethylbenzene	ug/L	0.5	ND	11/03/93
Xylenes, Total	ug/L	0.5	ND	11/03/93
<u>EXTRACTABLE FUELS EPA 3510/8015</u>				
Extractable Fuels, as Diesel	mg/L	0.05	0.08	11/02/93
Date Extracted			11/01/93	

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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November 05, 1993
 PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0183715
 Date Collected: 10/27/93
 Date Received: 10/29/93
 Client Sample ID: W-9-MW-1

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

<u>PURGEABLE FUELS AND AROMATICS</u>			
TOTAL FUEL HYDROCARBONS, (LIGHT):		-	11/03/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND 11/03/93
<u>PURGEABLE AROMATICS (BTXE BY EPA 8020M):</u>			
Benzene	ug/L	0.5	ND 11/03/93
Toluene	ug/L	0.5	ND 11/03/93
Ethylbenzene	ug/L	0.5	ND 11/03/93
Xylenes, Total	ug/L	0.5	ND 11/03/93
<u>EXTRACTABLE FUELS EPA 3510/8015</u>			
Extractable Fuels, as Diesel	mg/L	0.05	ND 11/02/93
Date Extracted			11/01/93

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
 Page 9

November 05, 1993
 PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0183731
 Date Collected: 10/27/93
 Date Received: 10/29/93
 Client Sample ID: W-9-MW-10

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS			
TOTAL FUEL HYDROCARBONS, (LIGHT):		-	11/03/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND 11/03/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			
Benzene	ug/L	0.5	ND 11/03/93
Toluene	ug/L	0.5	ND 11/03/93
Ethylbenzene	ug/L	0.5	ND 11/03/93
Xylenes, Total	ug/L	0.5	ND 11/03/93
EXTRACTABLE FUELS EPA 3510/8015			
Extractable Fuels, as Diesel	mg/L	0.05	ND 11/02/93
Date Extracted			11/01/93

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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November 05, 1993
 PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0183758
 Date Collected: 10/27/93
 Date Received: 10/29/93
 Client Sample ID: W-9-MW-14

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):			-	11/03/93
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	260	11/03/93
PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	11/03/93
Benzene	ug/L	0.5	ND	11/03/93
Toluene	ug/L	0.5	ND	11/03/93
Ethylbenzene	ug/L	0.5	ND	11/03/93
Xylenes, Total	ug/L	0.5	3.6	11/03/93

EXTRACTABLE FUELS EPA 3510/8015

Extractable Fuels, as Diesel	mg/L	0.05	0.20	11/02/93
Date Extracted			11/01/93	

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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November 05, 1993
 PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PACE Sample Number: 70 0183774
 Date Collected: 10/27/93
 Date Received: 10/29/93
 Client Sample ID: W-8-MW-7

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

<u>PURGEABLE FUELS AND AROMATICS</u>			
TOTAL FUEL HYDROCARBONS, (LIGHT):		-	11/03/93
Purgeable Fuels, as Gasoline (EPA 8015M) ug/L	50	2500	11/03/93
<u>PURGEABLE AROMATICS (BTXE BY EPA 8020M):</u>			
Benzene ug/L	0.5	90	11/03/93
Toluene ug/L	0.5	4.7	11/03/93
Ethylbenzene ug/L	0.5	6.6	11/03/93
Xylenes, Total ug/L	0.5	15	11/03/93
<u>EXTRACTABLE FUELS EPA 3510/8015</u>			
Extractable Fuels, as Diesel mg/L	0.05	1.0	11/02/93
Date Extracted		11/01/93	

These data have been reviewed and are approved for release.



Darrell C. Cain
 Regional Director

Mr. Marc Briggs
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FOOTNOTES
for pages 1 through 11

November 05, 1993
PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

MDL Method Detection Limit
ND Not detected at or above the MDL.



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QUALITY CONTROL DATA

November 05, 1993
PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

EXTRACTABLE FUELS EPA 3510/8015

Batch: 70 26107

Samples: 70 0183600, 70 0183626, 70 0183642, 70 0183677, 70 0183693
70 0183715, 70 0183731, 70 0183758, 70 0183774

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Extractable Fuels, as Diesel	mg/L	0.05	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dup1 Recv	RPD
Extractable Fuels, as Diesel	mg/L	0.05	1.00	87%	70%	21%

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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QUALITY CONTROL DATA

November 05, 1993
 PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PURGEABLE FUELS AND AROMATICS

Batch: 70 26115
 Samples: 70 0183600, 70 0183626, 70 0183642, 70 0183650, 70 0183669
 70 0183677

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1000	92%	95%	3%
Benzene	ug/L	0.5	40	99%	100%	1%
Toluene	ug/L	0.5	40	95%	96%	1%
Ethylbenzene	ug/L	0.5	40	90%	91%	1%
Xylenes, Total	ug/L	0.5	120	89%	92%	3%

REPORT OF LABORATORY ANALYSIS

Mr. Marc Briggs
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QUALITY CONTROL DATA

November 05, 1993
PACE Project Number: 431029506

Client Reference: Exxon 7-3006 (EE)

PURGEABLE FUELS AND AROMATICS

Batch: 70 26141
Samples: 70 0183693, 70 0183715, 70 0183731, 70 0183758, 70 0183774

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1000	101%	100%	0%
Benzene	ug/L	0.5	100	95%	99%	4%
Toluene	ug/L	0.5	100	100%	104%	3%
Ethylbenzene	ug/L	0.5	100	100%	103%	2%
Xylenes, Total	ug/L	0.5	300	99%	103%	3%



EXXON COMPANY, U.S.A.
 P.O. Box 4415, Houston, TX 77210-4415
CHAIN OF CUSTODY

431029.50C

Novato, CA, 11 Digital Drive, 94949
 (415) 883-6100

Huntington Beach, CA, 5702 Bolsa Avenue, 92649
 (714) 892-2565

Page 3 of 3

Consultant's Name: RESNA
 Address: 3315 Almaden Express East San Jose CA 95128
 Site Location: 720 High St
 Project #: _____ Consultant Project #: 13000624 Consultant Work Release #: _____
 Project Contact: Jeanne Beckthal/Mark Swiggs Phone # (408) 264-7723 Fax # 264-2954 Laboratory Work Release #: 08730303
 EXXON Contact: Lash Greenster EE C&M Phone # (510) 246-8776 Fax #: _____ EXXON RAS #: 13006
 Sampled by (print): Chris Allen Sampler's Signature: Chris Allen
 Shipment Method: Courier Air Bill #: _____ Shipment Date: _____

TAT: 24 hr 48 hr 72 hr Standard (5 day)

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	PACE Sample #	ANALYSIS REQUIRED				Sample Condition as Received	
						TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1	16.16	Temperature ° C: _____	Cooler #: _____
UL-10R	10/27	H ₂ O	AL	2	18372.3				X		
UL-9-UL-13	10/27			3	373.1	X					
UL-9-UL-14				1	↓		X				
UL-14R	10/27		AL	2	374.0				X		
UL-9-UL-14	10/27		"	3	375.8	X					
UL-9-UL-14d	"			1	↓		X				
UL-7R	10/27		AL	2	376.6				X		
UL-8-UL-7	10/27		"	3	377.4	X					
UL-8-UL-7d	"			1	↓		X				
UL-15R	10/28		AL	2	378.2				X		

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time	Additional Comments:
<u>Chris Allen</u>	<u>10/28</u>	<u>4:15</u>	<u>Donald Joharoli Pace</u>	<u>10/29/13</u>	<u>1130</u>	<u>10/14</u>
<u>Donald Joharoli Pace</u>	<u>10/29/13</u>	<u>1555</u>	<u>D. O. Pace</u>	<u>10/29/13</u>	<u>1555</u>	



EXXON COMPANY, U.S.A.

431029-506

P.O. Box 4415, Houston, TX 77210-4415

CHAIN OF CUSTODY

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Huntington Beach, CA, 5702 Bolsa Avenue, 92649
(714) 892-2565

Consultant's Name: RES LT Page 2 of 3

Address: 3315 Aberdeen Express #341 San Jose CA 95133 Site Location: 20 High St

Project #: _____ Consultant Project #: Free level Consultant Work Release #: _____

Project Contact: James Buckel/Holt/Kate Briggs Phone: (415) 761-7725 Fax: (415) 774-2741 Laboratory Work Release #: (415) 774-2741

EXXON Contact: Hank Greensted EE C&M Phone: (378) 246-8774 Fax #: _____ EXXON RAS #: 3306

Sampled by (print): Chris Allen Sampler's Signature: [Signature]

Shipment Method: Courier Air Bill #: _____ Shipment Date: _____

TAT: 24 hr 48 hr 72 hr Standard (5 day) **ANALYSIS REQUIRED**

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	PACE Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1	Sample Condition as Received											
									Temperature ° C: _____	Cooler #: _____	Inbound Seal Yes No	Outbound Seal Yes No	COMMENTS							
Rinseate	10/27	H ₂ O	HCL	2	18365.0	X														
ULS R	"		"	2	366.9	X														
10-9-ULS	10/27 12:15		"	3	367.7	X														
10-9-ULS	"		-	1	↓		X													
10-11 R	10/27		HCL	2	3369.5			X												
10-10-ULS II	10/27 2:15		"	3	369.3	X														
10-10-ULS II	"		+	1	↓		X													
10-9-ULS R	10/27		HCL	2	370.7			X												
10-9-ULS	10/27 3:15		"	3	371.5	X														
10-9-ULS	"		↓	1	↓		X													

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time	Additional Comments:
<u>[Signature]</u>	10/28	4:17	<u>Donald Johanski Pace</u>	10/24/93	11:30	10/4
<u>Donald Johanski Pace</u>	10/29/93	15:55	<u>[Signature]</u> PACE	10/25/93	15:55	