

**Quarterly Report  
Exxon Station R/S #7-0104  
1725 Park Street, Alameda, California  
Oct. 1989 - Dec. 1989**

**Background:**

In 1986 underground storage tanks were removed from 1725 Park Street, Alameda, California (site) and were replaced by three double walled fiberglass tanks. A Sensitive Receptor-Risk Assessment Survey for the site was conducted by HLA in May 1988.

**Phase I Evaluation:**

A subsurface petroleum hydrocarbon survey was conducted at the site. Three groundwater monitoring wells were sampled. HLA report *Evaluation of Petroleum Hydrocarbons Regal Station 405, 1725 Park Street, Alameda, California* was issued on June 24, 1988.

**Phase II Evaluation:**

Three additional groundwater monitoring wells were installed at the site. All six monitoring wells at the site were sampled. HLA report *Phase II Evaluation of Petroleum Hydrocarbons, Exxon Service Station R/S #7-0104, 1725 Park Street, Alameda, California* was issued on March 21, 1989.

**Work Performed During the Quarter:**

The six monitoring wells on site were sampled as part of a quarterly sampling program. Depth to ground water was measured and recorded. The results will be issued in early January 1990. Laboratory analytical results and ground-water elevations are attached as Table 1 and Table 2, respectively. Also attached is a site map showing monitoring well locations and December 1989 ground-water elevations.

A proposal addressing additional on site hydrogeologic control and an interim remediation system was submitted to and approved by Exxon. An additional monitoring well was installed on January 4, 1990.

**Product Recovery:**

No product recovery operations are being conducted at this time.

**Work to be Performed Next Quarter:**

HLA is currently in the process of preparing a work plan to submit to the RWQCB detailing an aquifer testing program to be conducted in January 1990. Following the aquifer tests, HLA will run computer capture programs and prepare a report with recommendations regarding an on-site remediation program. Monthly ground-water level measurements will be made and reported in the quarterly sampling reports. The fourth quarterly sampling event will be conducted in March 1990.

Attachments: Table 1 & Table 2  
Site Map & Ground Water Contours

**Table 1. Analytical Results  
HLA Ground-Water Sampling (ppb)\*  
Exxon Station #7-0104**

Well Number	Date	TPH Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes
MW-1	06/07/88	27,000	5,000	77	1,100	2,700
MW-1	01/17/89	6,800	2,000	91	800	1,600
MW-1	06/01/89	1,700	170	6.9	13	230
MW-1	09/18/89	2,100	9.0	53	18	130
MW-1	12/11/89	5,800	200	42	290	330
MW-2	06/07/88	110,000	12,000	12,000	2,100	12,000
MW-2	01/17/89	30,000	6,600	3,300	1,600	7,700
MW-2	06/01/89	8,700	330	280	680	1,200
MW-2	09/18/89	17,000	580	280	570	220
MW-2	12/11/89	32,000	1,000	850	310	1,200
MW-3	06/07/88	28,000	6,000	80	940	1,900
MW-3	01/17/89	5,300	2,500	230	590	1,100
MW-3	06/01/89	5,400	330	300	570	680
MW-3	09/18/89	12,000	680	170	350	860
MW-3	12/11/89	14,000	1,100	150	670	690
MW-4	01/17/89	19,000	1,000	1,500	360	2,200
MW-4	06/01/89	3,600	180	240	63	810
MW-4	09/18/89	6,000	290	200	28	510
MW-4	12/11/89	13,000	750	910	510	1,200
MW-5	01/17/89	26,000	8,700	3,900	990	5,900
MW-5	06/01/89	5,200	240	220	130	690
MW-5	09/18/89	8,000	340	150	140	460
MW-5	12/11/89	15,000	720	320	450	870
MW-6	01/17/89	38,000	7,400	9,300	2,000	9,900
MW-6	06/01/89	23,000	1,900	2,500	2,000	6,000
MW-6	09/18/89	17,000	650	410	650	320
MW-6	12/11/89	29,000	1,100	810	330	1,500
Field Blank	12/11/89	<50	0.88	0.95	0.62	1.7

\* ppb - parts per billion

< Numbers preceded by < indicate that sample was below the indicated detection limit.

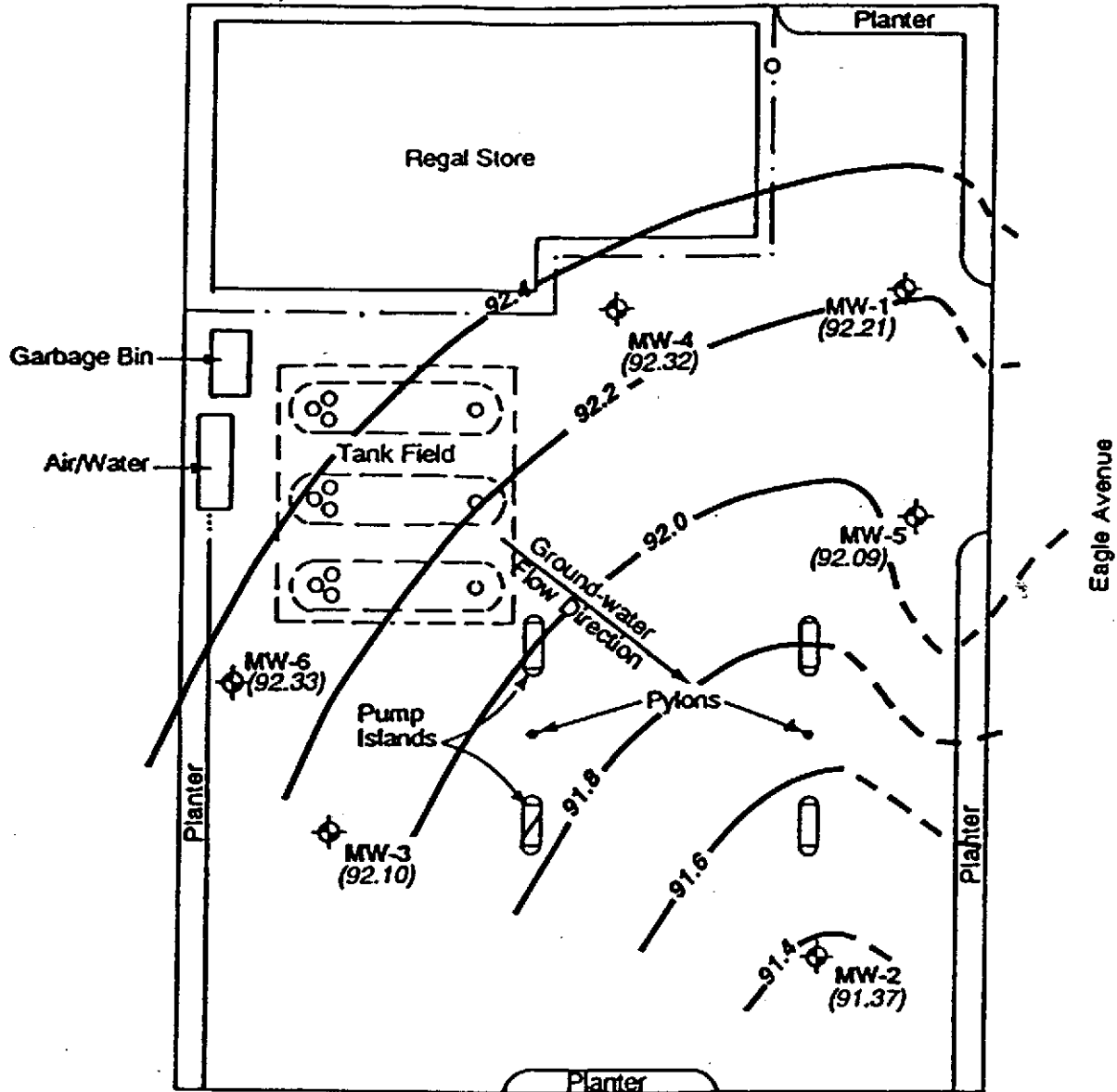
**Table 2. Exxon Station R/S #7-0104  
Ground-Water Elevations (feet)**

Well Number	Elevation Top of Well Casing*	Date	Depth Water BTOC**	Depth to Product	Product Thickness	Ground-water Elevation
MW-1	98.81	06-01-89	6.27	NP	Sheen	92.54
		09-18-89	7.11	NP	NP	91.70
		10-20-89	7.28	NP	NP	91.53
		11-22-89	7.02	NP	NP	91.79
		12-11-89	6.60	NP	NP	92.21
MW-2	97.94	06-01-89	6.32	NP	Sheen	91.62
		09-18-89	6.73	NP	NP	91.21
		10-20-89	6.87	NP	NP	91.07
		11-22-89	6.80	NP	NP	91.14
		12-11-89	6.57	NP	NP	91.37
MW-3	98.47	06-01-89	5.96	NP	NP	92.51
		09-18-89	6.65	NP	NP	91.82
		10-20-89	6.88	NP	NP	91.59
		11-22-89	6.74	NP	NP	91.73
		12-11-89	6.37	NP	NP	92.10
MW-4	98.69	06-01-89	6.01	NP	NP	92.68
		09-18-89	6.80	NP	NP	91.89
		10-20-89	7.08	NP	NP	91.61
		11-22-89	6.82	NP	NP	91.87
		12-11-89	6.37	NP	NP	92.32
MW-5	98.30	06-01-89	5.83	NP	Sheen	92.47
		09-18-89	6.52	NP	NP	91.78
		10-20-89	6.72	NP	NP	91.58
		11-22-89	6.54	NP	NP	91.76
		12-11-89	6.21	NP	NP	92.09
MW-6	98.96	06-01-89	6.25	NP	Sheen	92.71
		09-18-89	6.95	NP	NP	92.01
		10-20-89	7.24	NP	NP	91.72
		11-22-89	7.05	NP	NP	91.91
		12-11-89	6.63	NP	NP	92.33


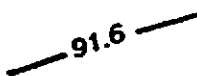
\* Elevations surveyed relative to an assumed common datum of 100 feet

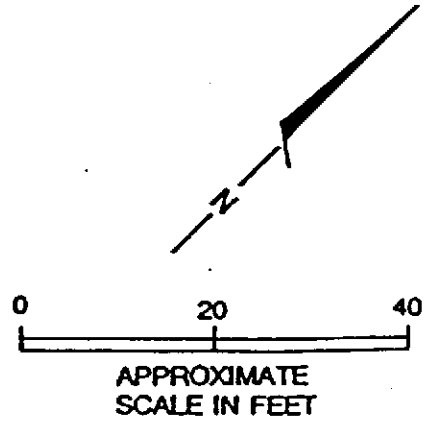
\*\* BTOC - Below top of casing

NP No product



**EXPLANATION**

-  Monitoring Well
-  Ground-water Elevation and Contour, dashed where approximate



**Harding Lawson Associates**  
Engineering and  
Environmental Services

**December 1989 Ground-water Elevations**  
**Phase II Evaluation of Petroleum Hydrocarbons**  
Exxon  
Alameda, California

PLATE

**1**

DRAWN MOI	JOB NUMBER 4167,284.02	APPROVED	DATE 1/90	REVISED	DATE
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DISTRIBUTION  
PHASE II EVALUATION OF PETROLEUM HYDROCARBONS  
EXXON SERVICE STATION R/S # 7-0104  
1725 PARK STREET  
ALAMEDA, CALIFORNIA

March 21, 1989

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QUALITY CONTROL REVIEWER

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