R018

ETIC
Engineering, Inc.

6 February 2002

FEB 08 2002

Barney Chan
Alameda County Health Agency
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

RE: Request for Case Closure Report for the former Nestlé facility located at 1310 14th Street, Oakland, California

Dear Mr. Chan:

Attached is the Request for Case Closure Report for the above-referenced site. As discussed in our 12 June 2001 meeting at the RWQCB, information previously compiled and presented in the Comprehensive Site Characterization Report (submitted January 2001) also provides supporting information for this case closure request.

Following your receipt and review of this Case Closure Request, we would appreciate the opportunity to meet with you and representatives of the RWQCB and Nestlé USA for the purpose of discussing any concerns and establishing appropriate actions for proceeding with case closure for the site. Please let me know if an agreeable meeting date and time can be arranged during the week of 4 March 2002 and I will contact the other interested parties.

If you have any questions I can be reached at (925) 602-4710, ext. 22.

Sincerely,

Brent Searcy
Project Manager

BS/dh

Attachment

cc: Binayak Acharya, Nestlé USA, Inc.
Chuck Headlee, Regional Water Quality Control Board

2285 Morello Ave., Pleasant Hill, CA 94523 • Phone: 925.602.4710 • Fax: 925.602.4720 • License No. 624022

ETIC
Engineering, Inc.

FEB 0 8 2002

Request for Case Closure Report

Former Nestlé USA, Inc. Facility
1310 14th Street
Oakland, California

Prepared for

Nestlé USA, Inc.
800 North Brand Boulevard
Glendale, California 91203

Prepared by

ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, California 94523
(925) 602-4710

Brent Searcy 01/25/02

Brent Searcy
Project Manager

Date

Heidi Dieffenbach-Carle January 24, 2002

Heidi Dieffenbach-Carle, R.G. #6793
Senior Geologist

Date

REGISTERED GEOLOGIST
HEIDI L. DIEFFENBACH-CARLE
No. 6793
exp 03/31/02
STATE OF CALIFORNIA

January 2002

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Former Nestlé Facility, 1310 14th Street, Oakland, California

SITE CONTACTS

Site Address:	1310 14th Street Oakland, California
Nestlé USA, Inc. Contact:	Binayak Acharya Nestlé USA, Inc. 800 North Brand Boulevard Glendale, California 91203 (818) 549-5948
Consultant to Nestlé USA, Inc.:	ETIC Engineering, Inc. 2285 Morello Avenue Pleasant Hill, California 94523 (925) 602-4710
ETIC Project Manager:	Brent Searcy
Regulatory Oversight:	Barney Chan Alameda County Health Agency Division of Environmental Protection Department of Environmental Health 1131 Harbor Bay Parkway, 2nd Floor Alameda, California 94502 (510) 567-6765 Chuck Headlee California Environmental Protection Agency California Regional Water Quality Control Board San Francisco Bay Region 1515 Clay Street, Suite 1400 Oakland, California 94612 (510) 622-2433

1. INTRODUCTION

At the request of Nestlé USA, Inc. (Nestlé), ETIC Engineering, Inc. (ETIC) has prepared this Request for Case Closure Report for the former Nestlé facility located at 1310 14th Street in Oakland, California (Figures 1 and 2). The northwest section of the former Nestlé facility outlined in Figure 1 illustrates the portion of the property for which this closure request is being made. This report was prepared to request case closure based on data presented in previously submitted documents, and based on meetings and discussions held among representatives from Nestlé, ETIC, the Alameda County Health Agency (ACHA), and the Regional Water Quality Control Board (RWQCB).

A summary of the results of the site investigations, remedial actions, and risk analysis that have been conducted at the site over the past 11 years is presented in a *Comprehensive Site Characterization Report* (CSCR) which was prepared by ETIC and submitted in February 2001 (ETIC 2001a). These investigations have focused on the northwest portion of the property where vehicle maintenance and refueling was conducted until 1988. The entire property was sold by Nestlé to Encinal 14th Street, LLC in July 2000.

To fulfill property transfer requirements for the former Nestlé property ETIC prepared a *Risk Management Plan* (RMP) which was submitted along with the CSCR in February 2001 (ETIC 2001b). The RMP presents the decision framework and the specific protocols for managing potential human health risks associated with the subsurface presence of chemicals and proposed future land use for the northwest portion of the property. A Covenant and Environmental Restriction document was developed for the northwest portion of the property (Figure 2) and is included as Appendix A of the RMP. The restrictions were reviewed by the ACHA and the RWQCB, and were signed by the City of Oakland Fire Services in June 2000. These restrictions were recorded on 8 June 2000 against the deed for the property by the close of escrow.

At a 12 June 2001 meeting attended by representatives from Nestlé, ETIC, ACHA, and RWQCB, the installation of one additional monitoring well was recommended in order to provide information in the area east of the area of primary hydrocarbon impact to groundwater. The recommended well was installed on 29 June 2001 and sampled for Total Petroleum Hydrocarbons as gasoline and as diesel, for benzene, toluene, ethylbenzene, and xylenes, for methyl tertiary butyl ether, and for halogenated volatile organic compounds. ETIC submitted the *Well Installation Report* in September 2001 (ETIC 2001c). Additionally, a soil vapor survey at 13 locations was performed on 7 June 2001. This vapor data was collected primarily to answer RWQCB and ACHA questions regarding hydrocarbon vapor levels at areas near the perimeter of the deed restricted portion of the site. The results of the soil vapor survey are summarized in Section 3.2.

2. SITE BACKGROUND

2.1 SITE DESCRIPTION

The former Nestlé facility covers approximately 5.8 acres and is located at 1310 14th Street in Oakland, California. Figure 1 shows a map of the entire property. The former facility was used to manufacture ice cream and packaged milk and used for the distribution of ice cream and packaged fresh milk by trucks. The delivery trucks were fueled at dispensers near service bays located at the northwest corner of the site and were repaired and maintained on the site.

The entire property was sold by Nestlé to Encinal 14th Street, LLC in July 2000. Prior to the sale of the property, a Covenant and Environmental Restriction document was developed for the northwestern portion of the property. The restrictions were reviewed by the ACHA and the RWQCB, and were signed by the City of Oakland Fire Services in June 2000. These restrictions were recorded against the deed for the property by the close of escrow. The northwest portion of the property is the area for which the environmental restrictions apply (Figure 1). A copy of the environmental restrictions document was provided in Appendix A of the CSCR and the RMP (ETIC 2001a and 2001b, respectively).

2.2 PREVIOUS SITE ASSESSMENT ACTIVITIES

In response to the need for environmental assessment and remediation at the site, Nestlé commissioned and carried out a series of environmental activities. These investigations and remedial actions were described in detail in the *Comprehensive Site Characterization Report* (ETIC 2001a). These activities are also described in the following reports:

Remedial Action Plan for the Carnation Oakland Dairy Facility Located at 1310 14th Street, Oakland, California, Alameda County. (AGE 1989a).

Site Characterization Report, Carnation Facility, Oakland, California. (HLA 1991).

Second Closure Review Meeting, 2 November 1999, Support for the Site as a Low-Risk Soil and Groundwater Case, Nestlé USA, Inc. Facility, 1310 14th Street, Oakland, California. (ETIC 1999).

Third Closure Review Meeting, 12 June 2001, Support for the Site as a Low-Risk Soil and Groundwater Case, Nestlé USA, Inc. Facility, 1310 14th Street, Oakland, California. (ETIC 2001d).

Well Installation Report, Former Nestlé USA, Inc. Facility, 1310 14th Street, Oakland, California. (ETIC 2001c).

TABLE 5 GROUNDWATER ANALYTICAL RESULTS,
NESTLE FACILITY, OAKLAND, CALIFORNIA, FEBRUARY AND APRIL 1999

Well No.	Date Sampled	Concentration (µg/L)									
		Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1-DCE	MTBE
81	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	<150	<0.50	<0.50	<0.50	<0.50
94	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	170	--	--	--	<0.50
210	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	960	--	--	--	<0.50
241	04/07/99	<0.50	<0.50	<0.50	<0.50	<50	<250	--	--	--	<0.50

--	Not analyzed or not sampled.
µg/L	Micrograms per liter.
TPH-g	Total Petroleum Hydrocarbons as gasoline.
TPH-d	Total Petroleum Hydrocarbons as diesel.
1,1-DCA	1,1-Dichloroethane.
1,2-DCA	1,2-Dichloroethane.
1,1-DCE	1,1-Dichloroethene.
MTBE	Methyl t-butyl ether.

TABLE 6 PRODUCT THICKNESS (ft), FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA

Well	11/4/93	2/24/93	3/18/94	6/2/94	8/31/94	12/22/94	3/13/95	6/9/95	7/27/95	9/22/95	12/6-28/95	2/27/96	2/29/96	6/20/96	8/30/96	9/18/96	10/4/96	10/11/96	10/18/96	10/22/96	11/22/96	12/6/96	12/17/96	12/21/96	1/3/97	1/14/97	2/10/97	2/17/97	2/28/97	3/7/97	3/14/97	3/28/97	4/11/97	4/17/97	4/25/97	5/2/97	5/9/97	5/16/97	6/6/97
MW-7	0 79	1.14	2.82	0 26	0.01	0.04	<0.01	<0.01	--	0 21	--	<0.01	--	0.02	0.20	0 04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	0.47	0 44	0.30	0.31	0.31	0.26	0.08	0.09	0.23	0.24	0.24	<0 01	--	0.03	0.04	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-22	1.83	1.54	>3 0	1 14	0.19	0 03	<0 01	<0 01	<0.01	0.32	0.30	<0 01	--	0.01	0.04	0 22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-23	1.21	0.07	1.40	1.79	0.68	0 41	<0.01	0.31	0 44	0.71	0.30	0.19	0.15	1.00	0.24	0.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	1.77	12.10	>3.0	0.97	0.39	<0.01	<0.01	<0.01	--	1.41	<0.01	<0.01	--	2.46	1.45	1.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-0	--	--	--	--	--	--	--	--	2.72	--	<0.01	3.92	0.07	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.38	1.55	1 45	0 3	0.39	--	<0.01	<0.01	<0.01	<0.01	<0 01	<0 01	<0.01	<0.01	<0.01	<0.01	<0 01	<0.01
E-5	--	--	--	--	--	--	--	--	--	--	1.50	0 27	0.03	0.10	0.01	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-8	--	--	--	--	--	--	--	--	0.10	--	0.42	0.19	0.02	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-20	0 91	1.15	3.41	1.45	0.88	1 04	0.14	0.16	2.54	1.12	<0 01	3.5	2 65	3.50	0.69	0.47	0.36	0 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-21	0 63	--	2.76	1.39	0.42	2.01	4.11	2.42	1 93	0.70	0.60	2.99	0.77	1.50	0.86	0.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-22	0 98	1 43	>3 0	0.90	0.47	0.04	0.60	0.71	0.68	0.71	0.23	1.57	0.94	1.20	0.47	0.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-23	0.67	0.36	1.06	0 38	0.17	0.06	0.34	0.06	0.08	0.12	0.11	<0.01	--	<0 01	0.09	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-24	--	--	--	<0.01	<0 01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-26	0 6	0.54	2.05	0.39	0.17	<0.01	<0.01	<0.01	--	0 13	0.12	0.27	<0 01	0.01	0.07	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-27	--	<0.01	<0.01	<0 01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-30	--	--	--	2.81	1 21	1.97	<0.01	<0.01	--	Dry	Dry	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-34	0.66	1.17	2.81	1 07	0.37	2.45	4.06	3.54	2.30	1.03	0 58	5.10	1 22	1.95	1.14	0.48	0.33	0.23	0 01	<0.01	<0.01	0.26	0.59	0.25	<0.01	<0.01	0.75	0.67	0.98	1.15	1.23	0.65	1.31	0.8	1.06	0.7	0.66	0.64	0.75
PR-35	0.62	1.26	>3.0	1.7	0.12	0.13	0.85	0.91	0.84	0.73	0.4	0.20	0 11	0.22	0.33	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-36	-	1.13	1.43	1.13	0.37	0.19	0.15	0.23	0.22	Dry	Dry	0.20	0 05	0.01	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-37	0.41	1.29	2.35	0 96	0.14	0.22	0.83	0.82	0.58	0.58	0.18	1.14	0.32	0 20	0.19	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-41	0.59	0.53	0.42	0.13	0.43	0.03	<0.01	<0 01	--	Dry	Dry	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-44	0.24	0.22	0.19	<0.01	<0 01	<0.01	<0.01	<0.01	--	Dry	-	<0.01	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-45	0.17	5.27	0.10	<0.01	<0 01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-47	0.75	0.41	sheen	<0.01	<0.01	0.01	<0.01	<0.01	--	0.08	0.08	<0.01	--	<0.01	0.08	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-48	1.12	0.20	>3.0	0.83	0.07	1.43	0.64	0.65	0.94	0.50	0.54	0.11	0.06	2 06	1.36	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-49	--	3.24	<0.01	<0 01	<0.01	<0.01	<0.01	<0 01	--	<0.01	<0.01	<0.01	--	Dry	Dry	<0 01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-50	1.08	1.58	0.89	<0 01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-51	--	6.57	>3.0	<0.01	0.72	2.02	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	--	Dry	Dry	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-52	1 01	5.09	1.16	0.45	0 05	0 03	<0.01	<0.01	<0.01	<0.01	-	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-53	1 15	3 01	>3.0	0.61	0.49	1.52	<0.01	1.55	1.47	1.08	0.17	0.90	0.27	1.01	0.81	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-54	0 97	0 99	1 20	<0.01	0 08	0 01	<0.01	<0.01	--	<0 01	<0.01	<0.01	--	<0 01	<0.01	<0.01	-	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-55	1.48	0 07	1 31	0 87	<0.01	0.01	<0.01	Dry	Dry	Dry	-	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-56	0.90	1.30	--	0.89	0.15	1.48	<0.01	<0.01	0.01	<0.01	-	<0.01	--	<0 01	<0 01	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-57	--	6.40	--	<0.01	<0 01	<0 01	<0.01	<0.01	--	<0.01	-	<0.01	--	<0.01	<0 01	<0 01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-58	0.96	0.85	--	1.48	0.89	2.15	1.41	1.34	2.40	1.18	0.57	2.67	1.25	2.79	1.47	1.01	--	0 52	0.23	0.11	<0.01	<0.01	<0.01	<0.01	0.2	1.04	2.3	2.4	2.21	2.45	--	2.45	2.14	1.8	2.06	1.79	1 64	1.49	1 44
PR-60	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-61	0.25	0.39	0.35	1.03	<0.01	0.01	<0.01	<0.01	1.30	<0.01	<0.01	1.48	0 45	1.96	0.93	0.38	--	--	--	<0.01	<0.01	<0 01	<0 01	<0 01	<0.01	<0 01	0.45	0.34	0.6	0.55	0.77	0.02	0 17	0.33	0 42	0.27	0.4	0.34	0.32
PR-62	0.04	--	0.07	0.09	<0.01	<0.01	<0.01	<0 01	--	<0 01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-64	1.49	0.11	>3.0	--	1 06	2.15	1.03	1.17	2.12	1 15	0.58	3.08	0.4	3 15	1.01	--	0.82	0.69	0.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-65	0.04	0.02	0.09	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-67	1.05	0 65	0.81	--	--	--	--	--	0.05	--	<0.01	<0.01	--	0.03	0.10	0.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-70	--	--	1.59	--	--	--	--	--	--	--	--	--	--	*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-8	--	--	--	--	--	--	--	--	0.01	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-55	--	--	--	--	--	--	--	--	--	--	0.04	--	--	<0.01	<0.01	*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-77	--	--	--	--	--	--	--	--	0.78	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-78A	--	--	--	--	--	--	--	--	0 01	--	<0.01	<0 01	--	<0 01	<0 01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-78B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 6 (extended) PRODUCT THICKNESS, FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA

Well	[illegible]	[illegible]	[illegible]	3/18/98	4/6/98	4/17/98	5/18/98	8/31/98	11/2/98	1/7/99	2/25/99	3/29/99	5/7/99	6/1/99	6/11/99	6/25/99	7/9/99	7/23/99	8/6/99	8/23/99	9/7/99	9/20/99	10/4/99
MW-3				--	--	<0.01	--	<0.01	--	--	<0.01a	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	0.03	0.01	0.01	--	<0.01	--	<0.01	0.01	--	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-8	0.01	0.01	0.01	--	<0.01	--	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-11	0.01	0.01	0.01	--	<0.01	--	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-12	1.60	1.51	0.55	--	0.37	--	0.38	1.0	<0.01	0.22	0.01	0.09	0.63	<0.01	0.19	0.32	0.36	0.28	0.26	0.28	0.14	0.13	0.05
MW-14	1.86	1.75	0.16	--	1.23	--	2.28	--	0.25	0.26	0.35	0.17	1.26	0.61	0.62	0.83	0.74	0.67	0.71	0.34	0.32	0.18	0.14
E-0	0.01	0.02	0.03	--	0.03	--	0.03	--	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
E-5				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-5	0.34	0.01	0.01	--	<0.01	--	<0.01	0.12	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
E-6				--	--	0.01	--	--	0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
E-8	0.75		0.22	--	0.19	0.19	0.18	0.16	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-17	0.10			--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	Sheen
PR-20	1.19	<.10	1	--	4.36	--	3.66	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-21	1.21	1.28	0.03	0.01	0.03	--	0.1	<0.01	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01	Dry	Dry	Dry	<0.01
PR-22	0.01	1.51	0.01	--	<0.01	--	<0.01	0.20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-24	0.66	0.01	0.01	0.01	0.01	--	<0.01	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-24	0.01			0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-25				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-26	0.11	<.09	0.09	0.01	<0.01		<0.01	0.04	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-2	0.01			0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-28				--	--	<0.01	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-29	0.01			0.01	--	<0.01	--	<0.01	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-30	Dry		0.01	0.01	<0.01	--	<0.01	Dry	--	--	Dry	--	Dry	Dry	--	Dry	Dry	--	--	Dry	--	--	--
PR-32	0.01	0.01	0.02	--	<0.01	--	<0.01	--	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-33				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-34	0.93	<.18	0.05	--	<0.01	--	0.04	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-35	0.90	0.71	0.01	--	<0.01	--	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-36	Dry	0.51	0.10	--	0.10	--	0.03	0.09	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry	<0.01
PR-3	0.51	0.01	0.06	--	<0.01	--	0.13	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-38				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-41	Dry		0.01	--	<0.01	<0.01	<0.01	Dry	--	--	<0.01	--	Dry	--	--	Dry	Dry	--	--	--	--	Dry	--
PR-42				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-43				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-44	Dry			--	--	<0.01	--	--	--	--	<0.01	--	--	Dry	--	--	--	--	--	--	--	Dry	--
PR-45	0.01			--	--	<0.01	--	--	--	--	<0.01	--	--	--	--	<0.01	--	--	--	--	--	<0.01	--
PR-46				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-47	0.02	0.01	0.01	--	<0.01	--	<0.01	0.06	<0.01	<0.01	<0.01	0.02	sheen d	<0.01	0.02	0.05	0.01	0.02	0.04	0.02	0.01	0.01	<0.01
PR-48		1.50	0.01	0.01	0.01	--	0.03	0.71	0.04	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.03	<0.01
PR-49	0.01		0.01	0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	--
PR-50	0.01		0.01	0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-51	Dry		0.27	0.01	<0.01	Dry	<0.01	Dry	--	--	<0.01	Dry	Dry	Dry	Dry	Dry	Dry	--	--	Dry	--	--	--
PR-52	0.01		0.01	--	<0.01	<0.01	<0.01	0.01	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-53	0.02	0.01	0.01	--	0.02	--	0.30	1.31	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.06	<0.01	0.12	0.03	<0.01	0.01
PR-54	0.01		0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--
PR-55	Dry		0.02	--	<0.01	--	<0.01	--	Dry	--	<0.01	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	0.20	0.05	0.02	0.02	0.03
PR-56	Dry		0.0	--	<0.01	--	<0.01	--	Dry	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-5	0.02		0.01	--	<0.01	<0.01	<0.01	--	--	--	<0.01	--	<0.01	<0.01	--	<0.01	<0.01	--	--	--	--	<0.01	--
PR-58	0.85	1.28	5.72	--	4.25	--	3.63	--	0.03	0.14	0.02	0.56	0.15	0.11	<0.01	0.05	<0.01	0.02	0.07	0.06	0.04	0.13	0.07
PR-60	Dry			--	--	--	--	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--
PR-61	0.49	0.55	1.11	--	1.74	--	2.46	--	0.80	0.06	0.05	0.09	0.21	0.30	0.12	0.17	0.15	0.15	0.04	0.12	0.07	0.04	0.01
PR-62	0.01			--	--	--	--	--	--	--	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--
PR-63	1.42	1.93	1.61	--	4.52	--	3.75	--	<0.01	0.16	0.28	0.47	0.06	0.51	0.13	0.17	0.24	0.18	0.29	0.21	0.10	0.08	0.04
PR-65	Dry		0.01	--	<0.01	--	<0.01	--	--	--	<0.01	--	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	<0.01	--
PR-6	0.01		0.01	--	<0.01	--	<0.01	--	--	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-68	0.01		0.01	--	<0.01	--	<0.01	--	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
PR-70				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-2				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3				--	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-4				--	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-5				--	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-7				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-8	Dry		0.01	--	--	<0.01	--	--	--	--	<0.01	--	--	--	Dry	--	--	--	--	--	--	<0.01	--
V-9				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-11				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-12				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-13	Dry		0.01	--	<0.01	<0.01	<0.01	--	--	--	Dry	--	<0.01	--	--	--	--	--	--	<0.01	--	--	--
V-14				--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-15	0.01		0.05	--	0.01	--	0.14	--	0.09	--	<0.01	<0.01	0.41d	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	sheen	0.01	Sheen	Sheen
V-16	0.66			--	0.03	--	0.06	--	Dry[c]	--	<0.01	<0.01	sheen d	<0.01	<0.01	<0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.02
V-61				--	--	<0.01	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-66				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-70	Dry		0.01	0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	--	--	<0.01	--	--	<0.01	<0.01	--	<0.01	--
V-1	Dry			0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	Dry
V-3				--	--	<0.01	--	--	--	--	--	--	--	--	<0.01	--	--	--	<0.01	--	--	<0.01	--
V-4				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-74				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-77	0.01			0.19	--	--	--	0.49	Dry	--	0.06	0.02	0.11	<0.01	<0.01	--	0.01	0.03	0.04	0.04	0.05	<0.01	<0.01
V-88A	0.01		0.01	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	--	<0.01
V-88B	0.01		0.01	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01
V-9				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-80				0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01	--	<0.01	--	--	--	--	<0.01	--	<0.01	--
V-81				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-85				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-89				--	--	--	--	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-90	Dry		0	--	<0.01		<0.01	--	Dry	--	<0.01	--	Dry	--	--	--	--	--	--	--	--	--	--
V-91				--	--	<0.01	--	--	--	--	--	--	<0.01	--	<0.01	--	--	--	--	--	--	<0.01	--
V-93				--	--	0.06	--	--	--	--	0.03	0.02	--	0.05	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
V-94	Dry			--	--	0.60	--	--	Dry	--	0.31	0.11	<0.01	0.18	0.04	0.01	<0.01	--	Dry	Dry	--	--	--
2-2				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-5				--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-9				--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-13	1.88	0.01	0.01	--	0.04	--	0.01	--	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-14	0.15	0.01	0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-4	0.01	0.01	0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-52				--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-53	1.13	0.66	1.04	--	1.38	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

TABLE 6 (extended) PRODUCT THICKNESS, FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA

Well	1/17/00	2/7/00	2/28/00	3/20/00	4/10/00	5/1/00	5/22/00	6/12/00	10/25/00	11/16/00	12/11/00	1/31/01	2/28/01	3/28/01	4/30/01	5/18/01	6/29/01	7/31/01 f	8/29/01
MW-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
MW-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-22	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MW-23	<0.01	<0.01	<0.01	<0.01	0.13	0.15	0.05	0.17	0.45	0.40	0.40	0.36	0.42	0.44	0.50	0.47	0.50	0.49	0.48
MW-24	0.04	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.40	0.41	0.41	0.41	0.31	0.34	0.38	0.45	0.60	0.62	0.74
E-10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
E-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-6	0.01	0.11	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.10	0.10	0.02	<0.01	<0.01	<0.01	<0.01	0.04	-- e	0.01	0.01
E-7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
E-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-12	0.08	<0.01	0.08	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09	0.08
PR-20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-21	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry	Dry	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry
PR-22	Sheen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-24	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-26	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-27	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-29	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-30	--	--	--	--	--	--	--	--	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
PR-31	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-33	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01
PR-34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-35	Dry	Dry	Dry	Dry	Dry	<0.01	<0.01	<0.01	Dry	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01
PR-36	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-41	--	--	--	--	--	--	--	--	Dry	Dry	Dry	Dry	Dry	<0.01	Dry	Dry	<0.01	<0.01	Dry
PR-42	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-44	Sheen	Sheen	Sheen	Sheen	Sheen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01
PR-45	0.03	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.11	0.06	0.12	0.07	<0.01	<0.01	<0.01	0.03	<0.01	0.06	<0.01
PR-49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-50	0.01	0.06	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01
PR-51	--	--	--	--	--	--	--	--	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	--
PR-52	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-53	0.03	0.04	0.01	0.01	<0.01	<0.01	<0.01	<0.01	Sheen	<0.01	<0.01	<0.01	0.01	0.03	0.06	0.06	<0.01	0.02	<0.01
PR-54	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-55	0.02	0.01	0.01	0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.10	0.11	0.07	<0.01	<0.01	0.03
PR-56	0.01	0.01	0.01	0.01	Sheen	Sheen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-57	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-58	0.06	0.01	0.01	0.01	0.06	<0.01	<0.01	<0.01	0.03	0.03	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.06
PR-60	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-61	0.03	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.26	0.25	0.24	0.22	0.19	0.18	0.22	0.22	0.24	0.27	<0.01
PR-62	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-64	0.08	0.03	0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.51	0.52	0.49	0.48	0.50	0.64	0.30	0.45	0.63	0.64	0.60
PR-65	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-66	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
PR-68	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PR-70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-8	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-21	--	--	--	--	--	--	--	--	<0.01	<0.01	Dry	Dry	Dry	Dry	Dry	Dry	<0.01	<0.01	Dry
V-24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-33	Sheen	Sheen	0.01	Sheen	Sheen	--	<0.01	Sheen	<0.01	<0.01	Sheen	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
V-36	0.03	0.03	Sheen	Sheen	Sheen	Sheen	Sheen	Sheen	<0.01	Sheen	Sheen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-0	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-2	--	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-7	Dry				--	--	--	--	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-8A		0.01	0.01		<0.01	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-8B					--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
V-9					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-80					--	--	--	--	--	--	<0.01	--	--	--	--	--	--	--	--
V-81					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-83					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-89					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-90					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-92					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-93	Dry	Dry	Dry		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-94					--	--	--	--	--	--	Dry	--	--	--	--	--	--	--	--
233					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
235					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
239					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
243		0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
244		0.01	Sheen	0.01	<0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
248		0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
253					--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
253		0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	<0.01	<0.01	<0.01

-- Well not monitored

* Well inaccessible

a - Monitored on 7/5/99; b - mud in well at 3.80 feet; c = well was dry, but probe showed oil on it; d = black, oily substance on probe; e = interface probe not responding accurately

to LPH-1 f - Amount verified on 8/10/01 for wells MW-8, E-5, PR12, PR-32, PR-53, PR-55, PR-67, and 244.

TABLE 7

NESTLE/OAKLAND
WELLS SAMPLED FOR FREE PRODUCT

Well Type	Well Name	Casing Diameter (in.)	Total Casing Depth (ft. bgs)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Length of Screened Interval (ft.)	Screen Slot Size (in.)	Filter Pack Type	Seal Type	Seal Top Depth (ft. bgs)	Seal Base Depth (ft. bgs)
Groundwater Monitoring Well	MW7	2.0	17.0	7.0	17.0	10.0	0.030	#3 Sand	Bentonite	4.0	5.0
Groundwater Monitoring Well	MW8	2.0	17.0	7.0	17.0	10.0	0.030	#3 Sand	Bentonite	4.0	5.0
Groundwater Monitoring Well	MW22	2.0	21.4	4.0	21.4	17.4	NR	NR	NR	NR	NR
Groundwater Monitoring Well	MW23	2.0	18.7	3.9	18.7	14.8	NR	NR	NR	NR	NR
Groundwater Monitoring Well	MW24	2.0	10.1	3.5	10.1	6.6	NR	NR	NR	NR	NR
Product Recovery Well	PR12	2.0	15.5	8.0	15.5	7.5	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR20	2.0	15.0	8.0	15.0	7.0	0.125	C.A .Sand	Bentonite	4.0	6.0
Product Recovery Well	PR21	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR22	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR23	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR24	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR26	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR27	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR29	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR30	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR32	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR34	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR35	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR36	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR37	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR44	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR45	2.0	15.0	8.0	15.0	7.0	0.125	C.A. Sand	Bentonite	4.0	6.0
Product Recovery Well	PR47	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR48	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR50	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR52	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR53	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR54	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR55	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR56	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR57	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR58	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR60	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR61	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0

TABLE 7

NESTLE/OAKLAND
WELLS SAMPLED FOR FREE PRODUCT

Well Type	Well Name	Casing Diameter (in.)	Total Casing Depth (ft. bgs)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Length of Screened Interval (ft.)	Screen Slot Size (in.)	Filter Pack Type	Seal Type	Seal Top Depth (ft. bgs)	Seal Base Depth (ft. bgs)
Product Recovery Well	PR62	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR64	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR65	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR67	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR68	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
"Numbered" Well	244*	2.0	18.3	10.6	18.3	7.7	NR	NR	NR	NR	NR
"Numbered" Well	253*	2.0	15.2	5.3	15.2	9.9	NR	NR	NR	NR	NR
Vapor Well	V8	4.0	5.2	4.8	5.2	0.4	NR	NR	NR	NR	NR
Vapor Well	V21	4.0	5.0	0.4	5.0	4.6	NR	NR	NR	NR	NR
Vapor Well	V55*	4.0	8.5	0.7	8.5	7.8	NR	NR	NR	NR	NR
Vapor Well	V56	4.0	9.2	1.0	9.2	8.2	NR	NR	NR	NR	NR
Vapor Well	V70	4.0	8.6	0.9	8.6	7.7	NR	NR	NR	NR	NR
Vapor Well	V72	4.0	11.6	2.2	11.6	9.5	NR	NR	NR	NR	NR
Vapor Well	V77	4.0	13.0	4.3	13.0	8.7	NR	NR	NR	NR	NR
Vapor Well	V78A	4.0	8.6	0.9	8.6	7.7	NR	NR	NR	NR	NR
Vapor Well	V78B	4.0	10.6	0.8	10.6	9.8	NR	NR	NR	NR	NR
E Well	E0	6.0	25.7	10.3	25.7	15.4	NR	NR	NR	NR	NR
E Well	E5	6.0	25.5	10.3	25.5	15.2	NR	NR	NR	NR	NR
E Well	E6	6.0	25.3	10.3	25.3	15.0	NR	NR	NR	NR	NR
E Well	E8	6.0	26.6	10.9	26.6	15.7	NR	NR	NR	NR	NR

Note:

*	Data from 08/28/00 video logging
C.A. Sand	Coarse Aquarium Sand
NR	Not Reported

3. INSTALLATION OF GROUNDWATER MONITORING WELL AND CONFIRMATION SOIL VAPOR SAMPLING

At the request of the ACHA and the RWQCB, one groundwater monitoring well (MW100) was installed to further delineate the eastern extent of impact to groundwater. An additional soil vapor survey from existing well points was also conducted to provide further documentation of potential subsurface hydrocarbon vapors on the perimeter of the deed restricted area. These activities are described below.

3.1 INSTALLATION OF GROUNDWATER MONITORING WELL MW100

On 29 June 2001, ETIC supervised the installation of groundwater monitoring well MW100 at a location approximately 25 feet east of the eastern edge of the deed restricted property (Figure 2). This well was installed to provide groundwater monitoring data in the area east of the area of primary groundwater impact. Well MW100 was constructed with 2-inch-diameter Schedule 40 polyvinyl chloride (PVC) blank well casing and screened from 5 to 15 feet below ground surface (bgs) with 0.010-inch slotted Schedule 40 PVC casing. Tables 1 and 2 document historical groundwater elevations and analytical results for all wells at the site, including MW100. The details of the well installation are presented in the *Well Installation Report* (ETIC 2001c).

3.2 ADDITIONAL SOIL GAS SAMPLE COLLECTION

In response to questions raised by the RWQCB and the ACHA during their review of ETIC's January 2001 CSCR report, additional soil vapor monitoring was performed at the site from 12 existing well points and one new 1-inch hole drilled through the asphalt cap on 7 June 2001. This in-field monitoring was conducted to provide additional data regarding hydrocarbon levels in near-surface soils at the perimeter of the deed restricted portion of the property.

Previously, soil vapor samples had been collected from 3 feet bgs at 15 locations within the area of hydrocarbon impact. The results of this August 1999 soil vapor survey are shown in Figure 3 and were used in the development of the RBCA analysis and the Risk Management Plan for the site (ETIC 2001c). Upon review of this data, the RWQCB expressed concerns regarding the potential for explosive hazards related to Total Petroleum Hydrocarbons as gasoline (TPH-g) levels recorded in August 1999. The highest TPH-g vapor concentration recorded during the August 1999 sampling event was 750 ppmv, which is approximately 5% of the lower explosive limit (LEL) for gasoline (14,000 ppmv).

In order to confirm vapor levels were adequately characterized at the site, ETIC measured total hydrocarbon concentrations, % LEL, and % O_2 at 13 additional locations on 7 June 2001 using an in-field GasTech GT201 fuel vapor monitor. Wells selected as vapor monitoring points for this survey were generally screened within 5 feet bgs and were, therefore, used to measure hydrocarbon levels in near-surface vapors from beneath the asphalt cap which exists at the site. Vapors were analyzed from 12 existing wells and within one new 1-inch hole drilled through the asphalt cap in the area of SB12. The sample collected from immediately beneath the asphalt cap was designed to assess vapor levels in the area of highest concentration during the August 1999 vapor sampling event. Concentrations in the sample were recorded at 440 ppmv total

hydrocarbon vapors, equivalent to approximately 1% of the LEL. These results were presented to the RWQCB and ACHA during a joint meeting on 12 June 2001 and are shown in Table 3 and Figure 4.

4. COMPILATION OF DATA IN SUPPORT OF CASE CLOSURE

Based on results presented in previously submitted documents, results from the newly installed well (MW100), results from the recent additional soil vapor survey (7 June 2001), and ongoing discussions with the ACHA and the RWQCB, the following information and data were compiled in support of this request for case closure.

4.1 SOURCE REMOVAL

A review of the analytical results for soil and groundwater samples collected at the site indicate that the primary sources for chemical release to the subsurface were from the former underground storage tanks (USTs) and the associated dispensers and piping. The removal of these primary sources is discussed below.

4.1.1 Tank Removal

Two 10,000-gallon steel USTs and two 12,000-gallon steel USTs were removed on 19 December 1988. One 1,000 gallon used-oil tank was removed on 12 January 1989. Each of the removal actions was documented in an AGE report (AGE 1989a).

The table below presents known information concerning the former tanks at the site.

Tank ID	Installation Date	Construction	Size (gallons)	Removal Date	Tank Contents
1	unknown	Steel	10,000	12/19/88	Gasoline
2	unknown	Steel	10,000	12/19/88	Gasoline
3	unknown	Steel	12,000	12/19/88	Diesel
4	unknown	Steel	12,000	12/19/88	Diesel
Used Oil Tank	unknown	Steel	1,000	1/12/89	Used oil

4.1.2 Remedial Actions

Soil Excavation: Between January and March 1989, 1,200 cubic yards of soil were removed from the area of the former tanks and lines (AGE 1989b). This soil was treated onsite and placed back into the excavation. The former tanks and fuel line excavation areas are shown in Figure 2. Because of the nature of the release, liquid-phase hydrocarbons (LPH) remained in the soil and floating on the groundwater outside the area of excavation.

Product Skimming: Product skimming was initiated in January 1989. Between January and July 1989 approximately 3,855 gallons of LPH was recovered (AGE 1989b). Again, because of the nature of the release, LPH remained in the soil and floating on the groundwater after July 1989.

Soil Vapor Extraction (SVE): An SVE system was operated from January 1994 to December 1995 and removed an estimated 5,200 gallons of hydrocarbon equivalent (Park 1994; EA 1996). The location of the former SVE system is shown in Figure 5.

Groundwater Extraction: Following the removal of the four USTs, approximately 1.5 million gallons of groundwater was extracted from wells at the site. This resulted in the removal of approximately 5,000 gallons of hydrocarbons from the subsurface (HLA 1991).

Multi-Phase Extraction: The most recent remedial action conducted at the site was multi-phase extraction. At the end of 1995 the SVE system had removed most of the hydrocarbons that this technology is capable of removing from the vadose zone. A multi-phase extraction system was installed and operated from August 1997 through June 2000. The system was installed to remove LPH trapped in the soil matrix and floating on the groundwater. A total of 10,875 pounds of hydrocarbons has been removed since August 1997. Overall product levels have decreased since August 1997, and the hydrocarbon recovery rate has reached an asymptotic level.

Figure 6 is a table that shows the total number of wells gauged each date and the number of wells within different ranges of LPH thickness. These data illustrate the declining number of wells containing larger thicknesses of LPH since the initiation of LPH gauging. The gauging conducted on 29 August 2001 showed that 42 wells contained no LPH, 1 well contained between a sheen and 0.01 feet of LPH, 4 wells contained 0.02-0.09 feet of LPH, and 3 wells contained 0.10-0.99 feet of LPH.

Figure 7 is a graphical representation of the data shown in Figure 6. The graph shows the percentage of monitored wells containing LPH decreasing over time. The best fit linear regression line, using the least squares method, is also shown with the corresponding R^2 coefficient.

Figure 8 shows the sum of LPH thickness in six of the wells that have historically contained the greatest thickness of LPH over time (MW23, MW24, PR48, PR58, PR61, PR64). The graph shows that the overall thickness of LPH in the six wells substantially decreased after full-scale operation of the multi-phase extraction system was begun.

Figure 9 shows the locations of wells containing LPH from January 2001 to June 2001. Figure 9a shows the locations of wells containing LPH from July 2001 through the termination of monthly LPH gauging in August 2001.

4.2 SITE CHARACTERIZATION COMPLETION

The hydrogeologic characterization of the site and lateral extent of the residual hydrocarbons is complete for both the soil and water medium. The past release of fuel into soil at the site has resulted in the presence of fuel chemicals at the site in three ways: as concentrations of hydrocarbons in subsurface soil, as a layer of fuel floating on groundwater (LPH), and as concentrations of hydrocarbons dissolved in groundwater (dissolved-phase hydrocarbons).

To date, 34 vapor extraction wells, 103 product recovery wells, 33 monitoring wells, and 22 other wells have been installed at the site. Using data from the borings for the wells and additional soil borings, the site geology and hydrocarbon distribution has been adequately characterized. All boring logs which are available for wells at the site are catalogued in the September 1991 *Site Characterization Report* (HLA 1991).

4.2.1 Geology and Hydrogeology

All of the borings at the site have been drilled to depths between 10 and 30 feet below grade. Soils at the site are predominantly clayey or silty sands (SC, SM) with a hydraulic conductivity of about 30 ft/day (HLA 1991). The site is located in an area underlain by Merritt Sand (Radbruch 1957). Due to its limited extent and thickness, the Merritt Sand is generally not considered a drinking water resource (ACFCD 1988). Geologic cross-sections for the site are presented in Figures 10-13.

Water currently is found at an average depth of 9.4 feet below grade in quarterly monitored wells and has ranged between 5 and 12 feet. Figure 14 shows the groundwater elevation contours during the quarterly monitoring event on 29 October 2001 (ETIC 2002) and a rose diagram with historical groundwater gradients and directions. The rose diagram shows the groundwater flow direction and gradient for each quarter beginning in December 1995. The average flow direction is approximately N10W at an average gradient of 0.0028 ft/ft. The groundwater flow direction has been consistent during the time it has been monitored and does not change significantly throughout the annual hydraulic cycle (Figure 14).

4.2.2 Soil Characterization

The soil at the former Nestlé facility has been assessed since 1991. A detailed summary and historical analytical results are presented in the *Comprehensive Site Characterization Report* (ETIC 2001a). In general, the soil boring data indicate that the TPH-g impacts are mainly limited to 10 to 15 feet bgs. Soil investigations to date have included:

- sampling of soil during installation of borings SB-1 to SB-20 (HLA 1991);
- sampling of soil during installation of borings SB1 to SB15 and a soil vapor survey conducted in 1999 (ETIC 2001a);
- logging of soil from numerous soil borings completed as monitoring wells, vapor extraction wells, product recovery wells, and other wells.

Based on the results of these investigations, the site soil stratigraphy consists primarily of clayey to silty sands with discontinuous lenses of silts and sands.

4.2.3 Groundwater Characterization

Over 25 groundwater monitoring wells have been historically sampled in order to characterize dissolved hydrocarbons and halogenated volatile organic compounds (HVOCs) in groundwater beneath the site. Cumulative groundwater monitoring results are shown in Table 2. Results of the groundwater monitoring conducted on 29 and 30 October 2001 are shown in Figure 15.

Currently, quarterly groundwater monitoring is performed at the set of wells listed in Table 4. These wells have been selected for quarterly monitoring based on their spatial location and the depth of their screened intervals. Quarterly monitoring at these wells provides measurement of the dissolved constituents at the downgradient edge and along the centerline of the plume.

Newly installed groundwater monitoring well MW100 was sampled on 6 July 2001. The samples were analyzed for TPH-g and Total Petroleum Hydrocarbons as diesel (TPH-d) by Cal EPA-modified Method 8015, for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020, and for HVOCs by EPA Method 8021. None of the analytes were detected at or above the method detection limits during this initial sampling event.

Current groundwater results show that the TPH-g and benzene concentrations above detection limit levels are limited to the area that was remediated to the extent that is technically and economically feasible. These concentrations attenuate in the downgradient direction to levels of 10.6 ug/L benzene and 400 ug/L TPH-g at well MW26 (located on the south side of 16th Street). With the exception of a detection of 1.4 ug/L benzene at well CC-1 during the third quarter of 2000 and a detection of 60 ug/L TPH-g at well MW29 during the first quarter of 2001, monitoring wells farther downgradient from MW26 have not contained TPH-g and benzene at concentrations above detection limits for the last six quarters of monitoring (Table 2). In order to more completely delineate the edges of the hydrocarbon plume in the crossgradient and upgradient directions, additional groundwater sampling was performed at wells in these areas in February and April 1999. Wells sampled to the west and east (crossgradient) of the petroleum impacted area did not contain TPH-g or BTEX concentrations above detection limits. Wells sampled to the south (upgradient) of the petroleum impacted area did not contain TPH-g or BTEX concentrations above detection limits, with the exception of low-level BTEX concentrations (0.60 ug/L benzene, 0.90 ug/L ethylbenzene) in well MW33. The details of this additional groundwater delineation from February and April 1999 are shown in Table 5 and Figure 16.

Dissolved concentrations of HVOCs have been measured in the area of primary hydrocarbon impact and have been measured at lower levels downgradient in the area of 16th Street. The predominant HVOC chemical found at the site is 1,2-DCA, which has a current maximum concentration of 39 ug/L found in well PR64 (Table 2). A January 1997 groundwater monitoring event focused on characterizing site-wide HVOC levels showed no predominant source of HVOCs (Table 2 and Figure 17).

4.2.4 LPH Characterization

LPH has been present in the area of the USTs and maintenance bays since it was discovered in 1988 and likely was present prior to this date. LPH monitoring data for a representative number of wells monitored since November 1993 are presented in Table 6 and summarized in Figure 6. Of the 57 wells most recently monitored during July and August 2001, 4 wells were dry, 42 wells contained no detectable NAPL, 1 well contained between a sheen and 0.01 feet of NAPL, 6 wells contained between 0.02 and 0.09 feet of NAPL, and 4 wells contained between 0.10 and 0.99 feet of NAPL. No wells contained NAPL at a thickness of 1.0 feet or greater. The spatial

distribution of these wells containing the different thicknesses of LPH is shown in Figure 9a. The construction details of wells used for gauging of LPH levels at the site are presented in Table 7.

Figure 18 shows the construction of wells along cross-section D-D'. Wells along this cross-section are located perpendicular to the groundwater flow direction at the downgradient edge of the property. Table 7 and Figure 18 indicate that the wells utilized for LPH gauging are appropriately constructed and screened for characterizing the vertical and horizontal extent of the LPH plume. Gauging data to date show that the product is not migrating. This statement is based on the following facts:

- The lateral extent of the LPH impacted area did not increase prior to LPH recovery initiated in late 1997.
- The number of wells containing detectable amounts of LPH has been decreasing since LPH recovery using multi-phase extraction was initiated in late 1997.
- LPH has not been detected in any well outside the group of wells that have historically contained measurable thickness (Table 6 and Figure 6).

57 wells were gauged for LPH on 31 July 2001. Per discussions with the ACHA and RWQCB, monthly NAPL gauging was terminated following the July 2001 event.

4.2.5 Soil Gas Characterization

Soil gas samples were collected on 12 and 13 August 1999 and the results were incorporated into the RBCA analysis presented in the *Comprehensive Site Characterization Report* (ETIC 2001a). Additional soil gas samples were collected from 13 locations on 7 June 2001. Historical and current soil gas concentrations are reported in Figures 3 and 4, respectively.

Soil gas sampling locations were selected so as to provide samples from areas thought to overlie the highest groundwater contaminant levels and from areas considered to represent the perimeter and downgradient edge of the soil and groundwater plume.

Soil gas data were utilized to perform the RBCA analysis for assessment of potential risks related to subsurface concentrations present beneath the site. As discussed in the *Comprehensive Site Characterization Report* (ETIC 2001a), the results of the RBCA analysis indicate that soil vapor concentrations beneath the site do not present a risk to human health under the site use limitations which are outlined in the *Risk Management Plan* (RMP) and the Covenant and Environmental Restriction document for the site (ETIC 2001b).

4.3 WATER WELLS AND SURFACE WATERS SURVEY

Water Wells: An Environmental Data Resources, Inc. report (EDR 1997) was used to determine that no state, federal, or public water supply wells are located within 1 mile of the site. A copy of the EDR report was provided as Appendix G of the *Comprehensive Site Characterization Report* (ETIC 2001a). In addition to using Environmental Data Resources, Inc. to search federal, state, and public databases, the databases of the East Bay Municipal Utility District (EBMUD 1997) and the Alameda County Public Works Agency (ACPWA 1997) were

searched. The results of this search show that there are no private water supply wells located within ¼-mile downgradient of the site (see Figures 41, 42 and Appendix H of the *Comprehensive Site Characterization Report* [ETIC 2001a]).

As a result of discussions regarding potential offsite and downgradient receptors during a 2 November 1999 meeting with the ACHA and RWQCB, ETIC performed a door-to-door well survey of 6 residences immediately downgradient of the former Nestlé site. The initial door-to-door well survey was conducted on 3 March 2000. A follow-up visit to residents who were not at home during the first well survey was conducted by ETIC on 22 March 2000.

During these door-to-door well surveys, no water supply wells were found on the properties at which ETIC was able to speak directly with property owners. ETIC employees spoke with property owners at 2 of the identified residences. At residences where property owners were not available, pre-stamped water well survey cards were left so that questions regarding water supply wells could be answered and the survey cards mailed back to ETIC. No well survey cards were received from the other four residences.

In addition, ETIC investigated the possible existence of an industrial supply well at 1614 Campbell Street (formerly occupied by General Electric). ETIC employees spoke with Walt Davis, General Manager of Western Nonwovens, Inc., which currently occupies the 1614 Campbell Street site. Mr. Davis stated that he had worked at the site since the early 1950s, and he was unaware of any industrial supply wells on the property.

Complete documentation of the well survey activities, with location maps and photographs for the visited properties, was included in Appendix I the *Comprehensive Site Characterization Report* (ETIC 2001a).

Deeper Drinking Water Aquifers: No deeper drinking water aquifers are likely to be impacted by subsurface conditions found at the former Nestlé site. The Merritt Sand found beneath the former Nestlé site is underlain by the Alameda Formation. The upper portion of the Alameda Formation is composed of sandy and silty clay and because of its low permeability and thickness is generally considered to be an aquitard separating the overlying Merritt Sand and other deposits from the underlying sands and gravels of the Alameda Formation (ACFCD 1988).

Surface Water: There is no surface water found within 1 mile of the site.

Other Sensitive Receptors: No other sensitive receptors could be identified within 1 mile of the site.

5. QUARTERLY GROUNDWATER MONITORING

As discussed in a meeting on 12 June 2001 among representatives from the ACHA, RWQCB, ETIC, and Nestlé, groundwater has been monitored through the end of 2001. Future monitoring of groundwater will be conducted in compliance with RWQCB and ACHA requirements. The wells selected for monitoring will be located along the centerline and on the downgradient edge of the plume. Concentration (C) versus Time (T) plots were generated from monitoring data to confirm that the plume is stable with respect to length and mass and were presented as Figures 32 to 40 in the *Comprehensive Site Characterization Report* (ETIC 2001a).

In the third and fourth quarters of 2001, the following wells were gauged and sampled:

Gauged	MW3, MW6, MW25-MW30, MW32, MW33, MW100, PR45, PR52, PR53, PR54, PR64, V55, V72, V84, 29 (CC1), 30 (CC2), 223, and 239
Sampled	MW3, MW6, MW25-MW30, MW32, MW33, MW100, PR45, PR52, PR53, PR54, V55, V72, V84, 29 (CC1), 30 (CC2), 223, and 239

The groundwater samples were analyzed for BTEX, TPH-g, TPH-d, and HVOCs. The results were presented in the *Groundwater Monitoring Report, Third and Fourth Quarters 2001* (ETIC 2002).

? Total # of all residual wells

Future monitoring = ?

6. WELL ABANDONMENTS

Wells MW17-MW21 were abandoned before 1991; boring logs and well construction and abandonment details are not available for these wells (HLA 1991).

On 29 July 1999, 42 wells were properly abandoned (ETIC 2001e) under permit from the Alameda County Public Works Agency (ACPW). The wells were abandoned because they were no longer needed for site remediation or monitoring and had the potential to cause short circuits diminishing the efficiency of the high vacuum remediation system that was operating at the site at the time. The wells abandoned were chosen based on monitoring data for the first two quarters of 1999 as well as historical monitoring results presented in Table 7 of the Harding Lawson Associates (HLA) *Site Characterization Report*, dated 17 September 1991. In general, the wells chosen for abandonment had non-detectable concentrations of hydrocarbons or were well outside of the area of hydrocarbon impact.

On 27 and 28 August 2001, 32 additional wells were properly abandoned under ACPW permit (ETIC 2001f). These wells were selected for abandonment based on historical hydrocarbon concentrations in groundwater and so that the monitoring wells remaining following abandonment activities would provide the spatial coverage necessary for continued adequate delineation of groundwater conditions at the site.

The following table summarizes the well abandonment activities which have occurred at this site:

Abandoned prior to 1991	MW17, MW18, MW19, MW20, MW21
Abandoned 29 July 1999	MW1, MW2, MW4, MW5, MW9-MW16, 81, 94, 200-210, 212, 214, 215, 224, 231, 233, 240, 241, 249, 250, PR15, PR201-PR203, V24, and V46
Abandoned 27, 28 August 2001	PR41, PR51, PR204, V14, V15, V25, V26, V28, V29, V31, V52, V53, V93, 78, 216, 218, 219, 221, 225, 228-230, 234-236, 242, 243, 245, 247, 248, 251, and 252

Following submittal of this case closure request, the remaining wells at the site will be assessed and additional well abandonments proposed where such wells are no longer needed for monitoring purposes. Upon receiving approval for case closure and the termination of quarterly groundwater monitoring, all remaining wells will be properly destroyed at the site.

# of residual wells ——

need a proposal for this action

7. CLOSURE REQUEST

Based on review of investigation and remediation results, the site conditions appear to satisfy the criteria of a low-risk soil and groundwater case with respect to hydrocarbons. Based on the data presented in this report, the CSCR, the RMP, the RBCA analysis, and discussions held with the RWQCB and ACHA, Nestlé is requesting closure ("no further action" designation) subject to the completion of any future groundwater monitoring requirements.

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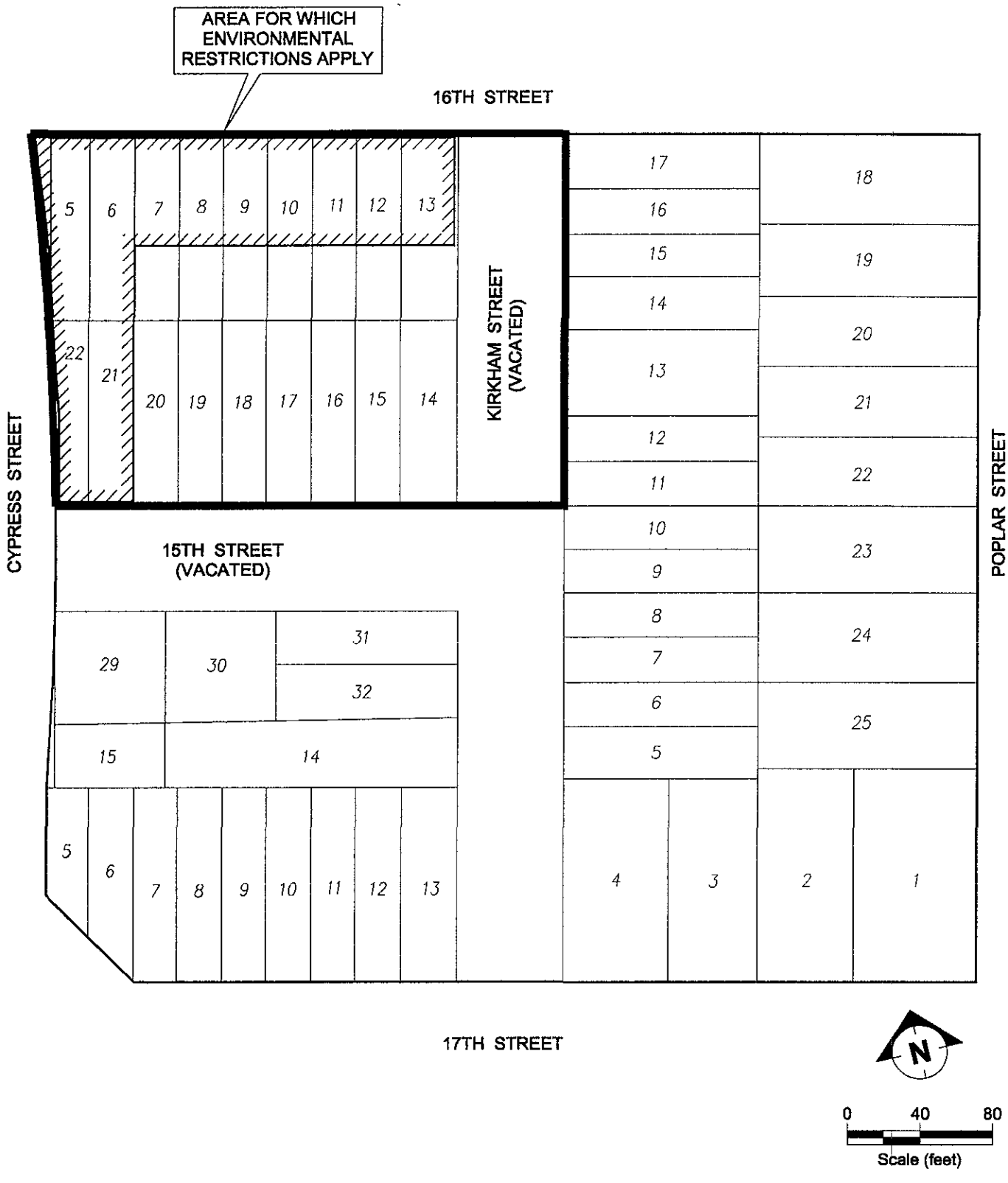
Figures

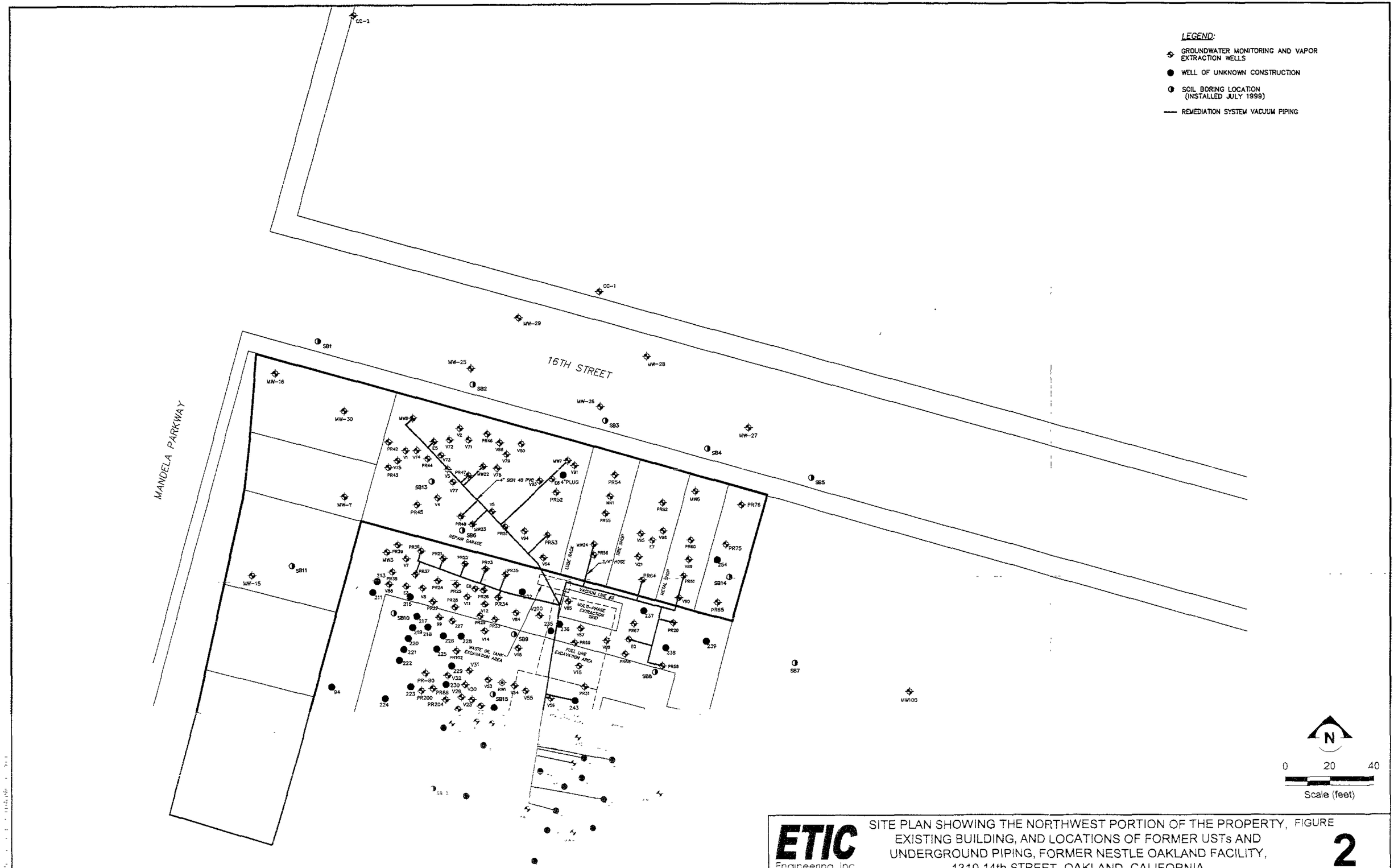


FILENAME CLOSURE/BLOCKPLAN.DWG 01/30/02

ETIC Engineering, Inc.

FORMER NESTLE FACILITY (CARNATION DAIRY FACILITY) SHOWING NORTHWEST SECTION FOR WHICH ENVIRONMENTAL RESTRICTIONS APPLY, NESTLE OAKLAND FACILITY, 1310 14th STREET, OAKLAND, CALIFORNIA

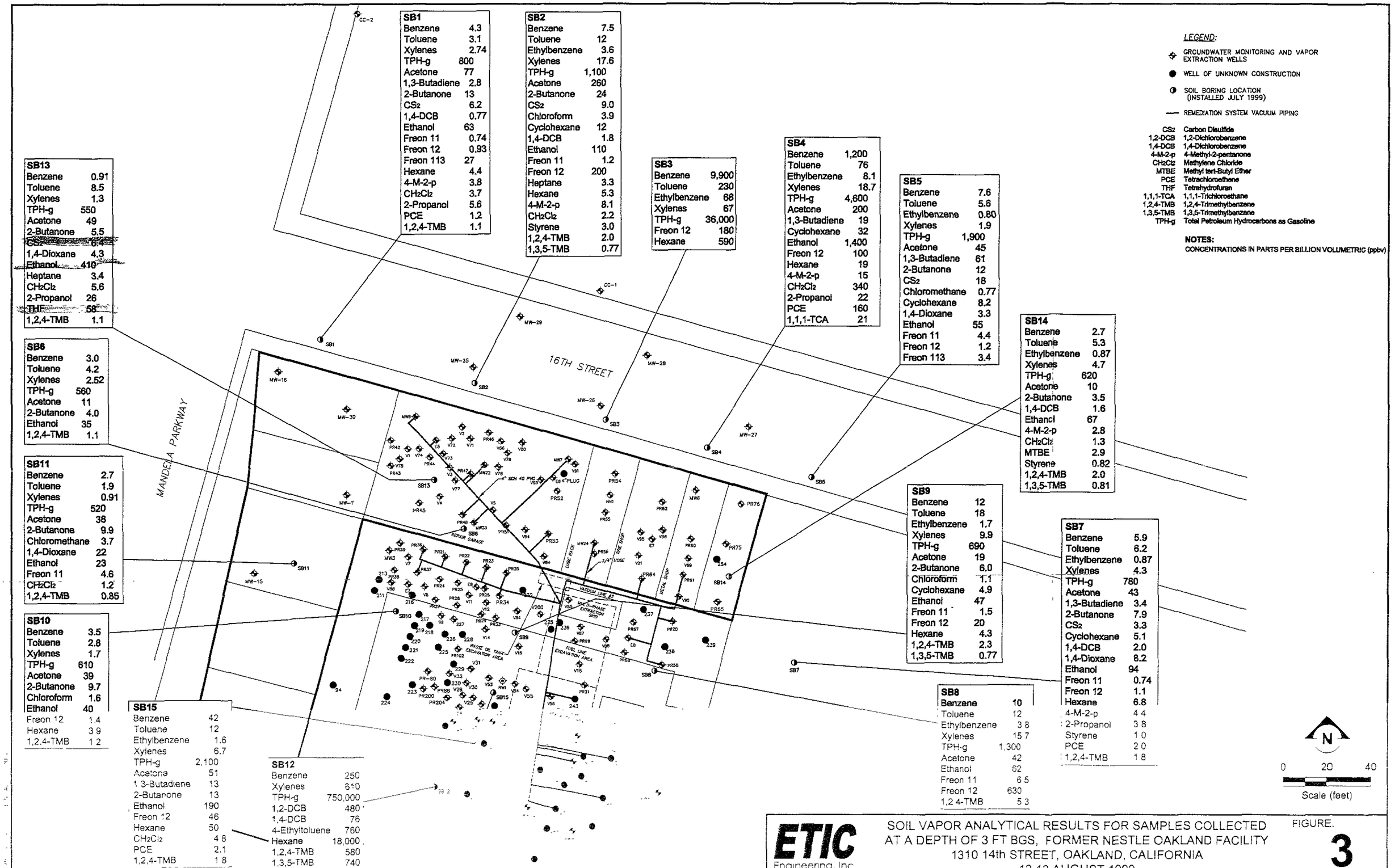
FIGURE: **1**



ETIC Engineering, Inc.

SITE PLAN SHOWING THE NORTHWEST PORTION OF THE PROPERTY, EXISTING BUILDING, AND LOCATIONS OF FORMER USTs AND UNDERGROUND PIPING, FORMER NESTLE OAKLAND FACILITY, 1310 14th STREET, OAKLAND, CALIFORNIA

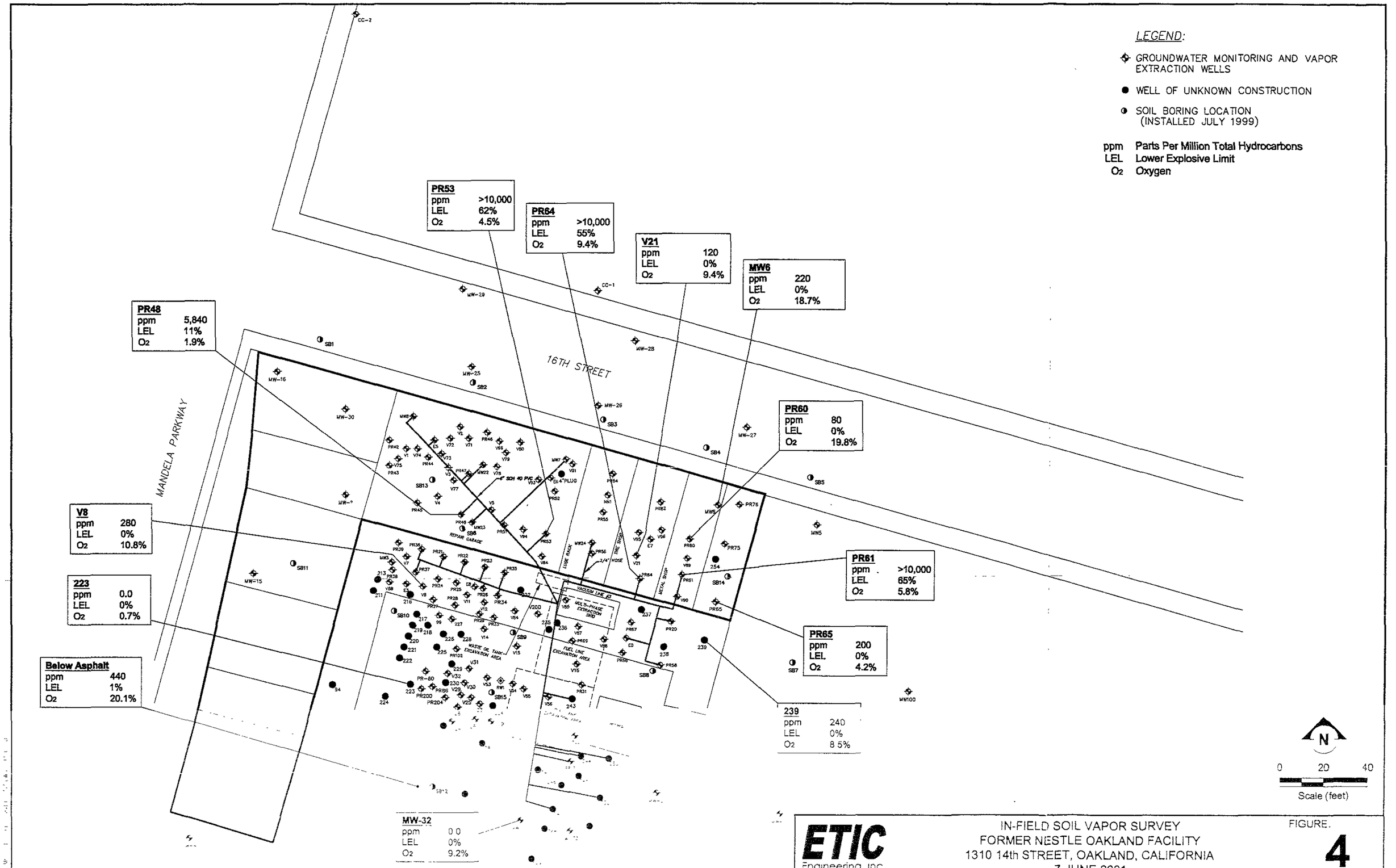
FIGURE **2**



ETIC Engineering, Inc

SOIL VAPOR ANALYTICAL RESULTS FOR SAMPLES COLLECTED AT A DEPTH OF 3 FT BGS, FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA
12-13 AUGUST 1999

FIGURE. 3



ETIC Engineering, Inc.

IN-FIELD SOIL VAPOR SURVEY
FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA
7 JUNE 2001

FIGURE.
4

Liquid Phase Hydrocarbon Monitoring Results	5/18/98	8/31/98	11/2/98	1/7/99	2/25/99	3/29/99	5/7/99	6/1/99	6/11/99	6/25/99	7/9/99	7/23/99	8/6/99	8/23/99	9/7/99	9/20/99	10/4/99	10/25/99	11/8/99	12/1/99	12/20/99	1/17/00	2/7/00	2/28/00	3/20/00	4/10/00	5/1/00	5/22/00	6/12/00	10/25/00	11/16/00	12/11/00	1/31/01	2/28/01	3/28/01	4/30/01	5/18/01	6/29/01	7/31/01	8/29/01
Total number of wells monitored for LPH	48	32	42	27	63	36	56	50	52	55	55	51	52	53	46	51	46	39	42	43	41	42	40	38	42	41	41	41	39	57	57	59	57	57	57	57	57	56	57	54
Total number of dry wells	0	3	9	2	2	2	5	4	4	5	5	3	2	6	3	5	2	4	5	3	2	2	0	0	0	0	0	0	0	5	5	7	6	4	4	4	3	3	8	4
Wells containing no detectable LPH	31	13	27	20	50	22	45	39	42	42	40	37	40	35	31	36	34	22	24	31	35	30	36	36	39	36	38	35	38	42	41	41	44	49	48	48	47	48	38	42
Wells containing between a sheen and 0.01 ft. of LPH	1	2	1	0	4	3	0	0	0	1	6	1	2	3	2	2	4	3	7	7	3	6	3	1	2	3	2	2	0	2	1	2	0	0	0	0	0	0	1	1
Wells containing between 0.02 and 0.09 ft. of LPH	5	6	3	1	4	5	1	1	2	3	0	6	4	4	7	5	5	9	4	1	1	4	1	1	1	1	0	2	0	2	4	3	3	0	1	1	3	1	6	4
Wells containing between 0.10 and 0.99 ft. of LPH	6	6	2	4	3	4	4	6	4	4	4	4	4	5	3	3	1	1	2	1	0	0	0	0	0	1	1	2	1	6	6	6	4	4	4	4	4	4	4	3
Wells containing 1.0 ft. or greater of LPH	5	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Figure 6 LPH Thickness in Monitoring Wells. Nestle Oakland Facility, 1310 14th Street, Oakland, California.
Page 2

Liquid Phase Hydrocarbon Monitoring Results	1/4/93	2/24/93	3/18/94	6/2/94	8/31/94	12/22/94	3/13/95	6/9/95	7/27/95	9/22/95	12/28/95	2/27/96	2/29/96	6/20/96	8/30/96	9/18/96	10/4/96	10/11/96	10/18/96	10/22/96	11/22/96	12/6/96	12/17/96	12/21/96	1/3/97	1/14/97	2/10/97	2/17/97	2/28/97	3/7/97	3/14/97	3/28/97	4/11/97	4/17/97	4/25/97	5/2/97	5/9/97	5/16/97	6/6/97	7/8/97	2/10/98	3/4/98	3/18/98	4/6/98	4/17/98
Total number of wells monitored for LPH	28	30	21	35	37	37	36	37	29	36	35	40	16	39	39	37	4	5	4	4	4	4	4	4	4	3	4	4	4	4	3	4	4	4	4	4	4	4	4	56	27	47	15	49	49
Total number of dry wells	0	0	0	0	0	0	0	1	2	7	3	5	0	7	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	4
Wells containing no detectable LPH	0	2	2	11	13	12	25	22	5	14	19	19	1	12	11	12	1	1	1	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	21	12	25	14	32	41
Wells containing between a sheen and 0.01 ft. of LPH	0	0	1	0	1	4	0	0	8	0	0	0	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	3	1
Wells containing between 0.02 and 0.09 ft. of LPH	2	3	2	2	3	6	2	3	2	1	2	0	5	3	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	1	8	0	5	1
Wells containing between 0.10 and 0.99 ft. of LPH	16	11	5	13	18	4	5	6	7	8	11	7	7	3	9	10	3	4	2	1	1	1	1	2	2	0	2	2	2	1	1	1	1	2	1	2	2	2	2	10	6	5	1	3	2
Wells containing 1.0 ft. or greater of LPH	10	14	11	9	2	11	4	5	5	6	0	9	3	11	5	2	0	0	0	0	0	1	1	0	0	1	1	1	1	2	1	1	2	1	2	1	1	1	1	5	8	5	0	6	0

Figure 6. LPH Thickness in Monitoring Wells, Nestle Oakland Facility, 1310 14th Street, Oakland, California.
Page 1

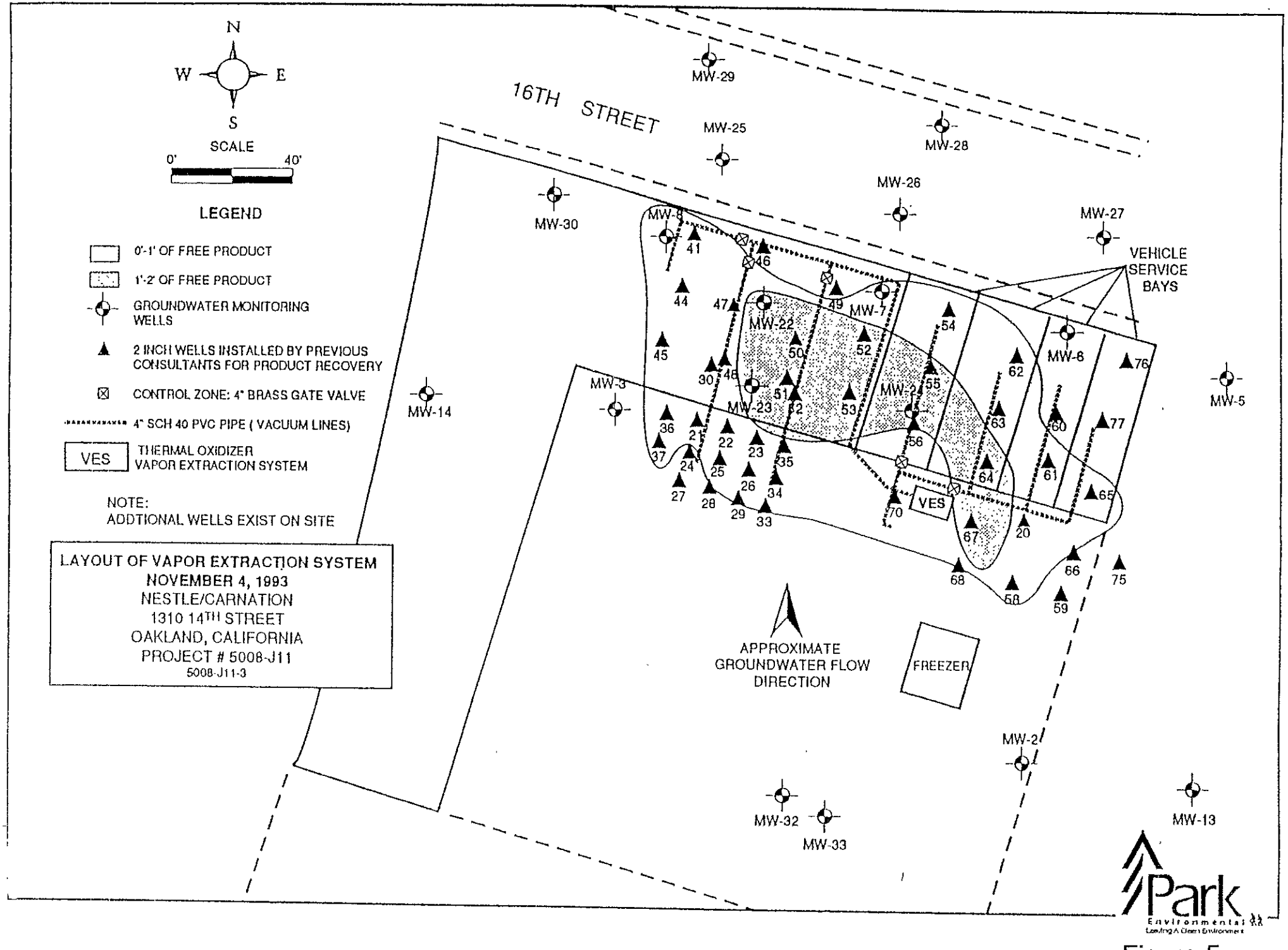

N
W
E
S
SCALE
0'
40'
LEGEND
0'-1' OF FREE PRODUCT
1'-2' OF FREE PRODUCT
GROUNDWATER MONITORING WELLS
2 INCH WELLS INSTALLED BY PREVIOUS CONSULTANTS FOR PRODUCT RECOVERY
CONTROL ZONE: 4" BRASS GATE VALVE
4" SCH 40 PVC PIPE (VACUUM LINES)
VES
THERMAL OXIDIZER VAPOR EXTRACTION SYSTEM
NOTE:
ADDTIONAL WELLS EXIST ON SITE
LAYOUT OF VAPOR EXTRACTION SYSTEM
NOVEMBER 4, 1993
NESTLE/CARNATION
1310 14TH STREET
OAKLAND, CALIFORNIA
PROJECT # 5008-J11
5008-J11-3
16TH STREET
MW-29
MW-25
MW-28
MW-26
MW-30
MW-8
MW-27
VEHICLE SERVICE BAYS
MW-7
MW-22
MW-6
MW-5
MW-3
MW-14
MW-24
MW-23
VES
APPROXIMATE GROUNDWATER FLOW DIRECTION
FREEZER
MW-2
MW-32
MW-33
MW-13

Figure 5

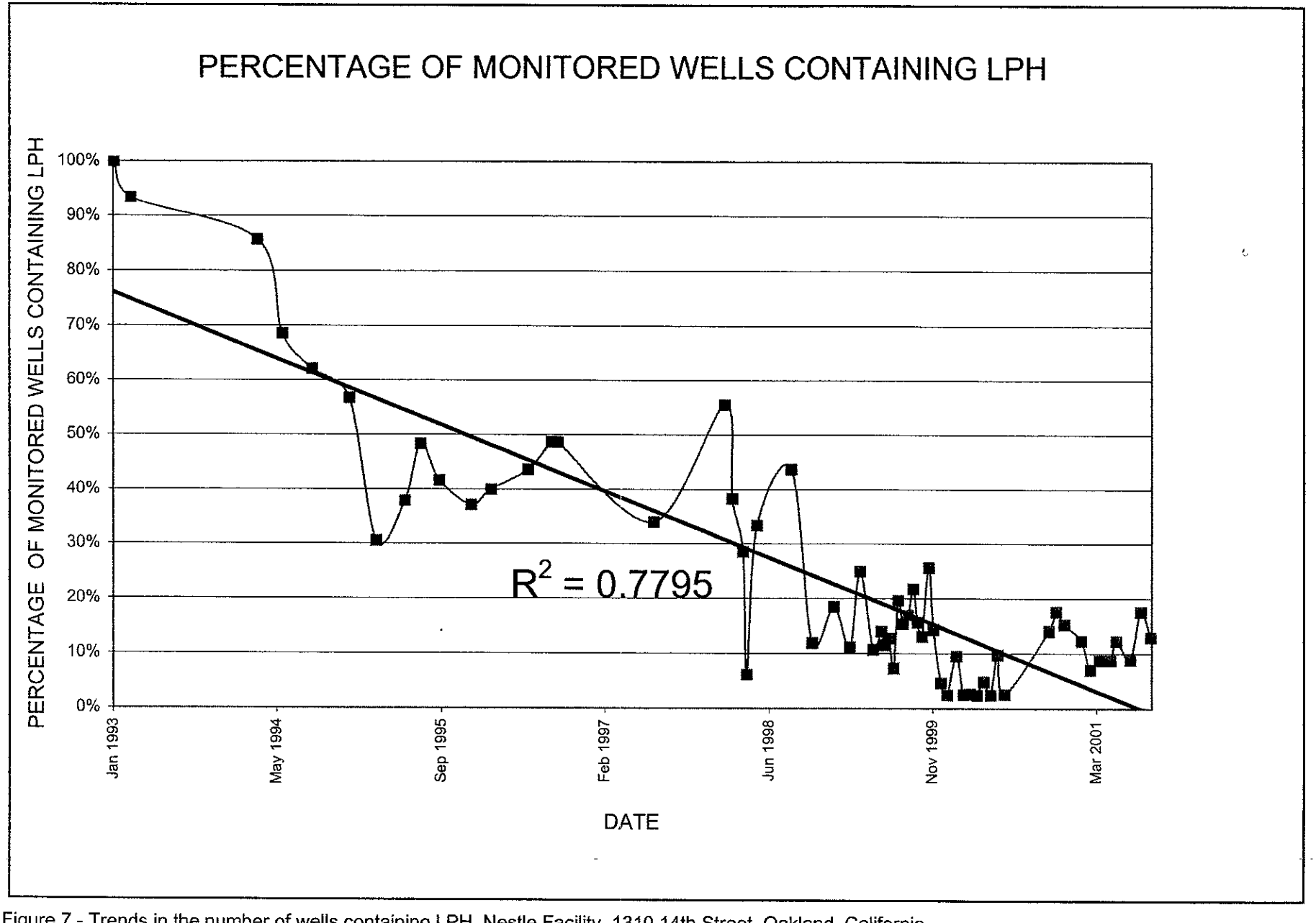


Figure 7 - Trends in the number of wells containing LPH, Nestle Facility, 1310 14th Street, Oakland, California

F:\Projects\Nestle oakland\Public\CSCR900\Gaugingcount.xls\Graph

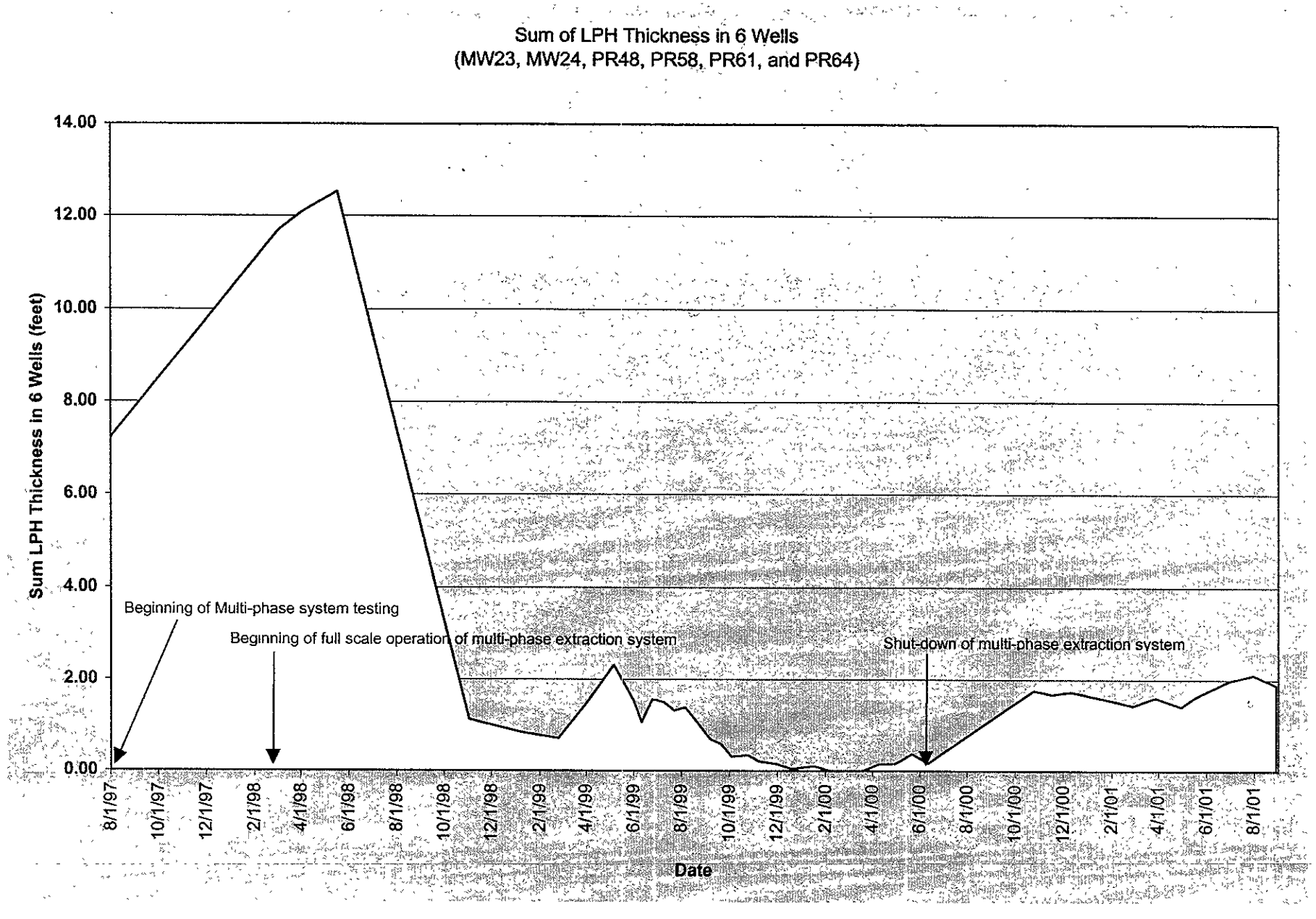
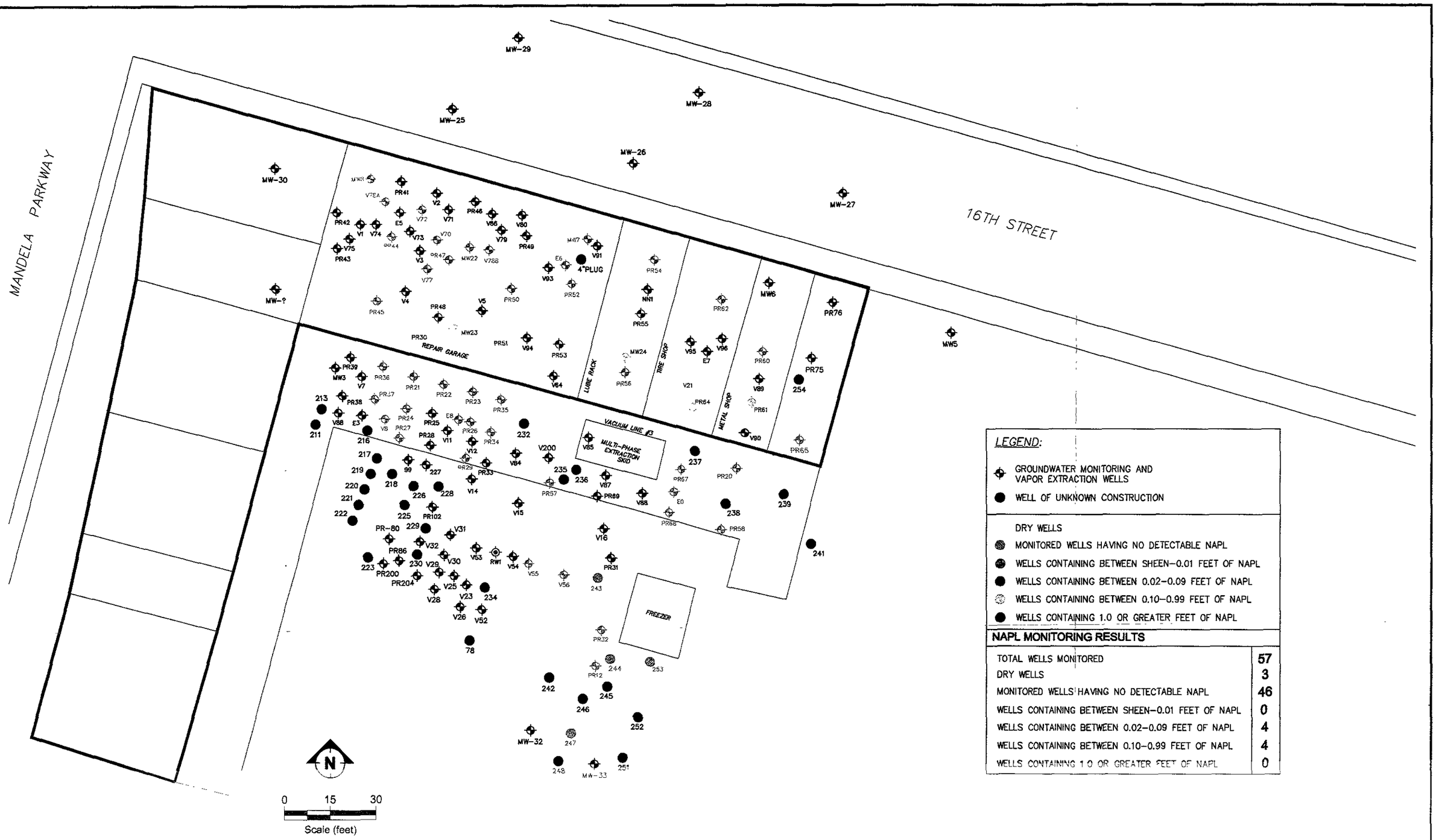


Figure 8: Sum of LPH Thickness in 6 Wells



LEGEND:

- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- WELL OF UNKNOWN CONSTRUCTION

DRY WELLS

- MONITORED WELLS HAVING NO DETECTABLE NAPL
- WELLS CONTAINING BETWEEN SHEEN–0.01 FEET OF NAPL
- WELLS CONTAINING BETWEEN 0.02–0.09 FEET OF NAPL
- WELLS CONTAINING BETWEEN 0.10–0.99 FEET OF NAPL
- WELLS CONTAINING 1.0 OR GREATER FEET OF NAPL

NAPL MONITORING RESULTS

TOTAL WELLS MONITORED	57
DRY WELLS	3
MONITORED WELLS HAVING NO DETECTABLE NAPL	46
WELLS CONTAINING BETWEEN SHEEN–0.01 FEET OF NAPL	0
WELLS CONTAINING BETWEEN 0.02–0.09 FEET OF NAPL	4
WELLS CONTAINING BETWEEN 0.10–0.99 FEET OF NAPL	4
WELLS CONTAINING 1.0 OR GREATER FEET OF NAPL	0

Engineering, Inc.

SITE PLAN SHOWING DISTRIBUTION OF NAPL, JANUARY-JUNE 2001
FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE: **9**

LEGEND:

- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- WELL OF UNKNOWN CONSTRUCTION

- DRY WELLS
- MONITORED WELLS HAVING NO DETECTABLE NAPL
- WELLS CONTAINING BETWEEN SHEEN–0.01 FEET OF NAPL
- WELLS CONTAINING BETWEEN 0.02–0.09 FEET OF NAPL
- WELLS CONTAINING BETWEEN 0.10–0.99 FEET OF NAPL
- WELLS CONTAINING 1.0 OR GREATER FEET OF NAPL

NAPL MONITORING RESULTS

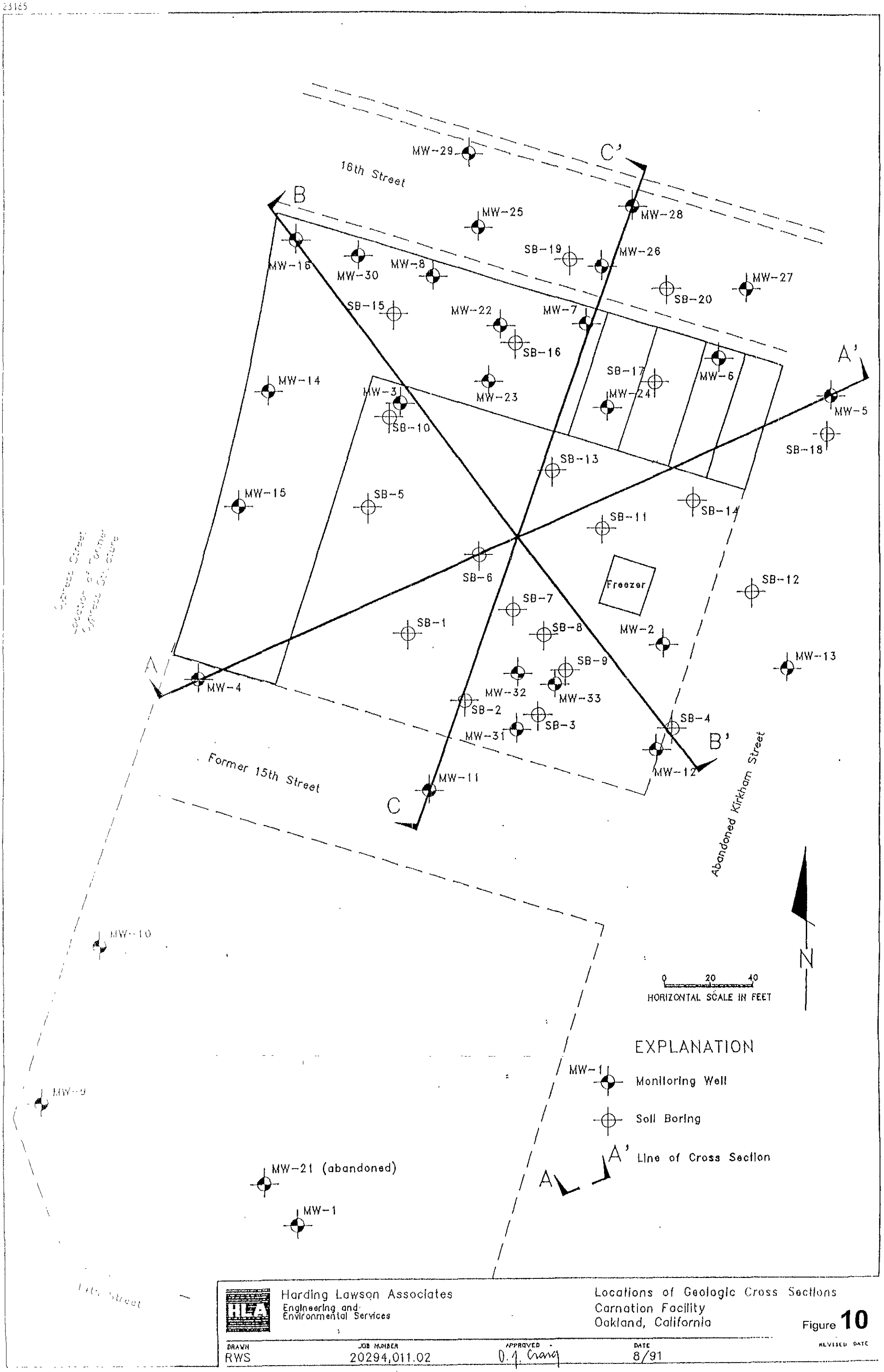
TOTAL WELLS MONITORED	57
DRY WELLS	4
MONITORED WELLS HAVING NO DETECTABLE NAPL	42
WELLS CONTAINING BETWEEN SHEEN–0.01 FEET OF NAPL	1
WELLS CONTAINING BETWEEN 0.02–0.09 FEET OF NAPL	6
WELLS CONTAINING BETWEEN 0.10–0.99 FEET OF NAPL	4
WELLS CONTAINING 1.0 OR GREATER FEET OF NAPL	0

Engineering, Inc.

SITE PLAN SHOWING DISTRIBUTION OF NAPL, JULY-AUGUST 2001
FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE.
9A

23165



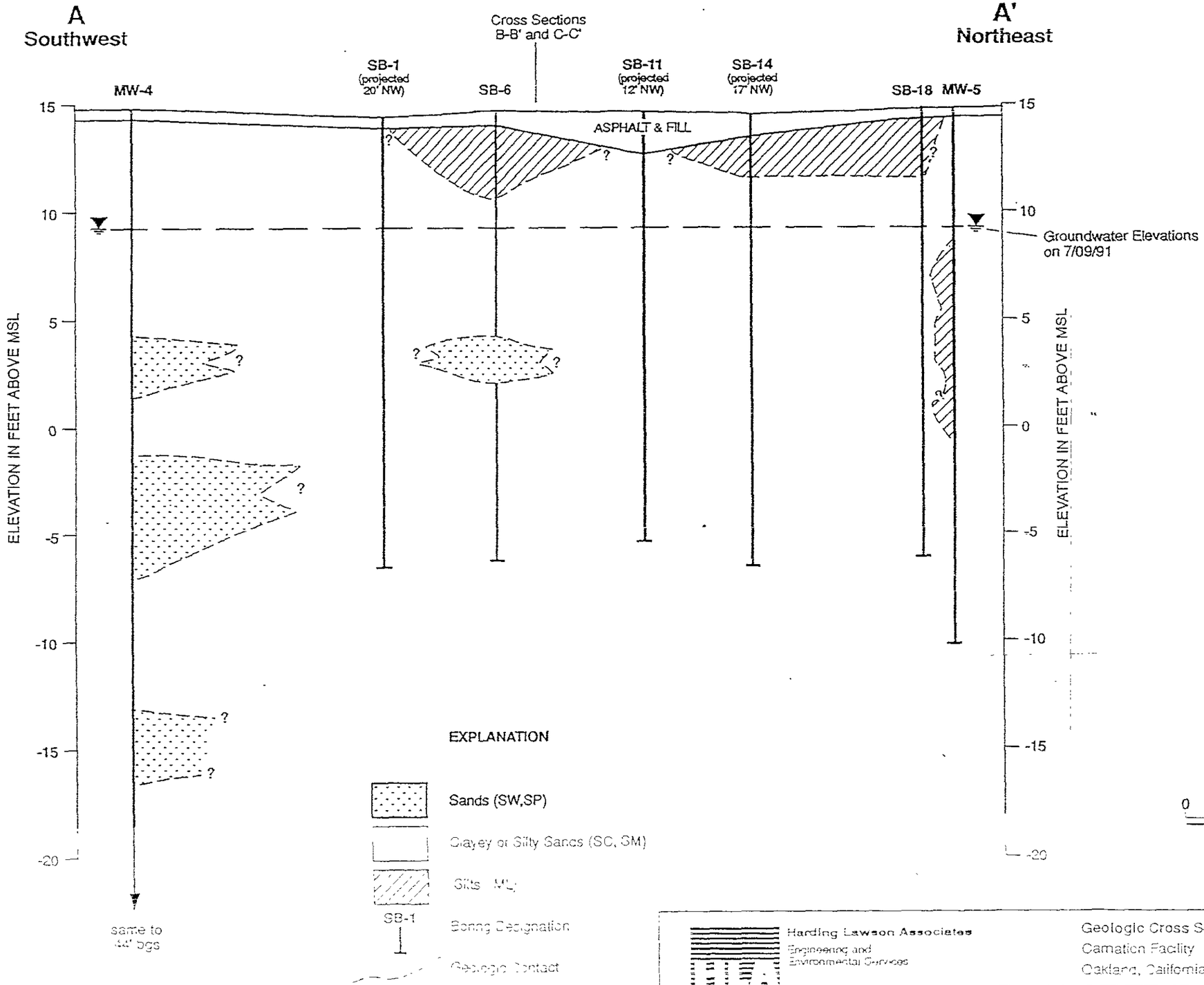
Harding Lawson Associates
Engineering and Environmental Services

Locations of Geologic Cross Sections
Carnation Facility
Oakland, California

Figure 10

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RWS	20294,011.02	D.J. Chang	8/91	

23166



Harding Lawson Associates
Engineering and
Environmental Services

Geologic Cross Section A-A'
Carnation Facility
Oakland, California

Figure
11

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
PMc	20204,011.02		3/91	

23167

B
Northwest

B'
Southeast

Cross Sections
A-A' and C-C'

MW-16

MW-3
(projected
5' NE)

SB-6
(projected
15' NE)

SB-7
(projected
18' NE)

SB-8
(projected
15' NE)

SB-9
(projected
15' NE)

MW-12

SOIL PILE

ASPHALT & FILL

Groundwater Elevations
on 7/09/91

ELEVATION IN FEET ABOVE MSL

15
10
5
0
-5
-10
-15

EXPLANATION

Sands (SW,SP)

Clayey or Silty Sands (SC, SM)

Silts (ML)

SB-1 Boring Designation

Geologic Contact

0 40 80

HORIZONTAL
SCALE IN FEET

Vertical Exaggeration = 2x

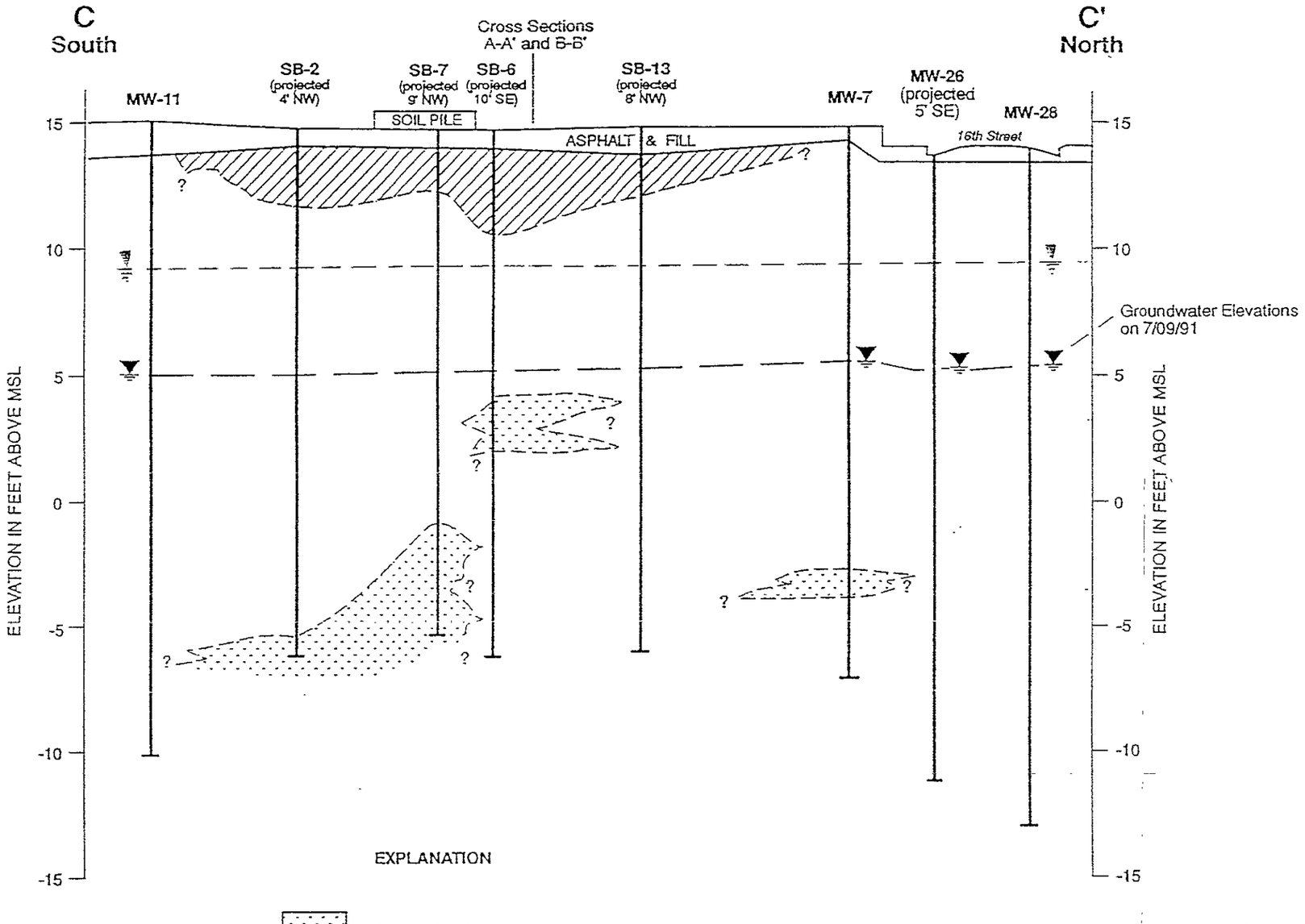
Harding Lawson Associates
Engineering and
Environmental Services

Geologic Cross Section B-B'
Carnation Facility
Oakland, California

Figure
12

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
PMC	20294.011.02		8/91	

23168



Harding Lawson Associates
Engineering and
Environmental Services

Geologic Cross Section C-C'
Carnation Facility
Oakland, California

Figure
13

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
PMc	20634 [illegible].02	[illegible]	3.91	

LEGEND:

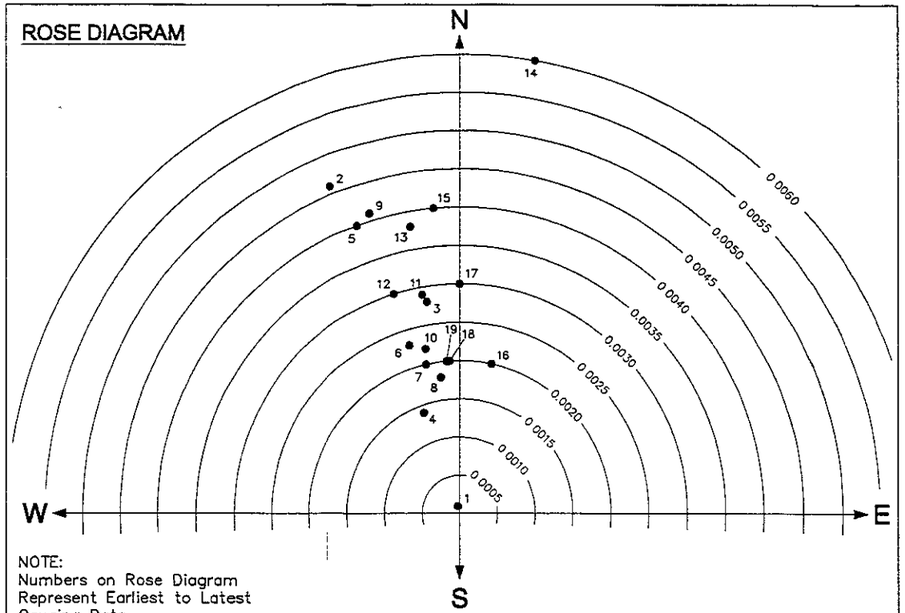
- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- WELL OF UNKNOWN CONSTRUCTION
- (4.75) GROUNDWATER ELEVATION (feet)
- GROUNDWATER ELEVATION CONTOUR

GW — Approximate Groundwater Flow Direction

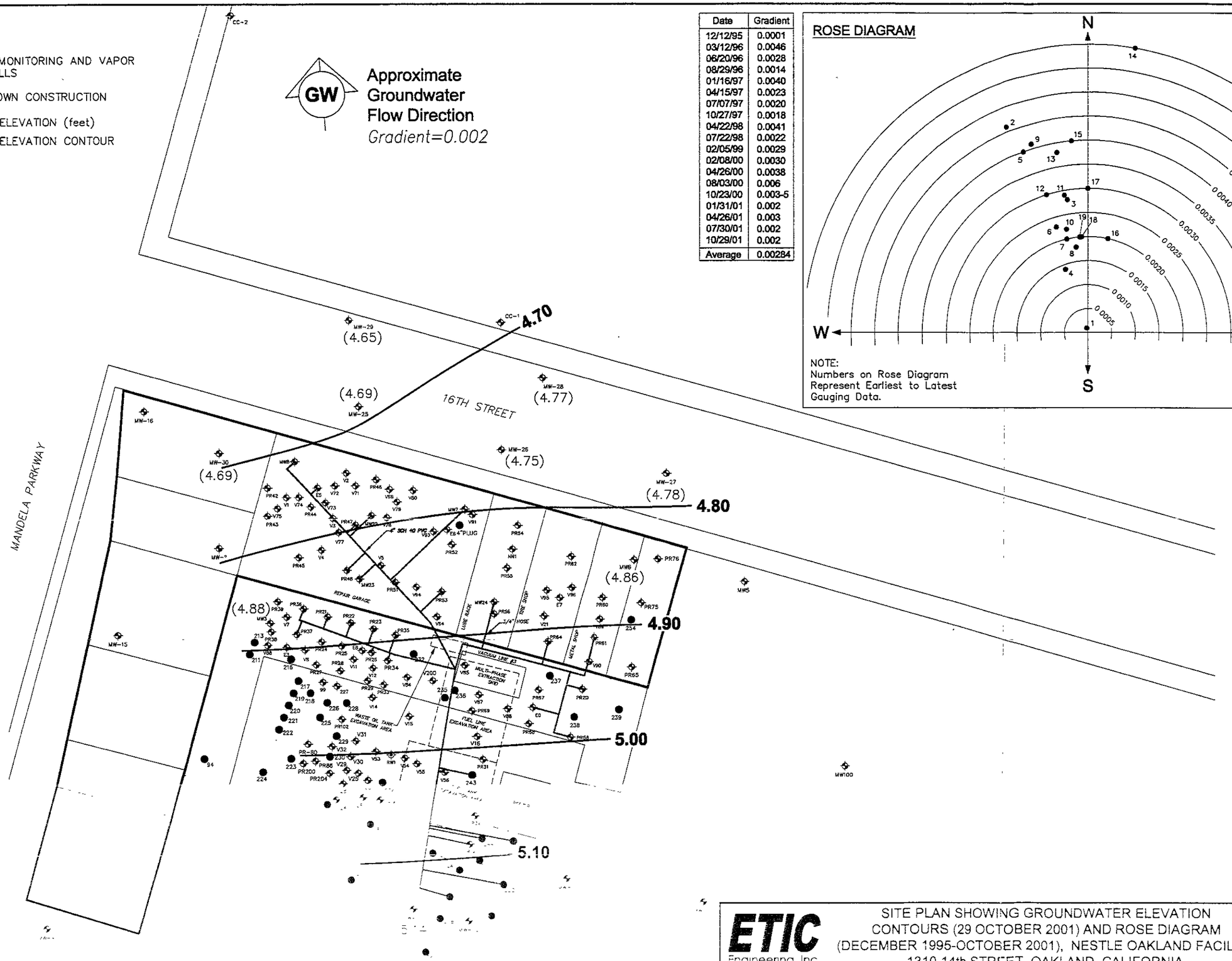
Gradient=0.002

Date	Gradient
12/12/95	0.0001
03/12/96	0.0046
06/20/96	0.0028
08/29/96	0.0014
01/16/97	0.0040
04/15/97	0.0023
07/07/97	0.0020
10/27/97	0.0018
04/22/98	0.0041
07/22/98	0.0022
02/05/99	0.0029
02/08/00	0.0030
04/26/00	0.0038
08/03/00	0.006
10/23/00	0.003-5
01/31/01	0.002
04/26/01	0.003
07/30/01	0.002
10/29/01	0.002
Average	0.00284

ROSE DIAGRAM



NOTE:
Numbers on Rose Diagram Represent Earliest to Latest Gauging Data.



N

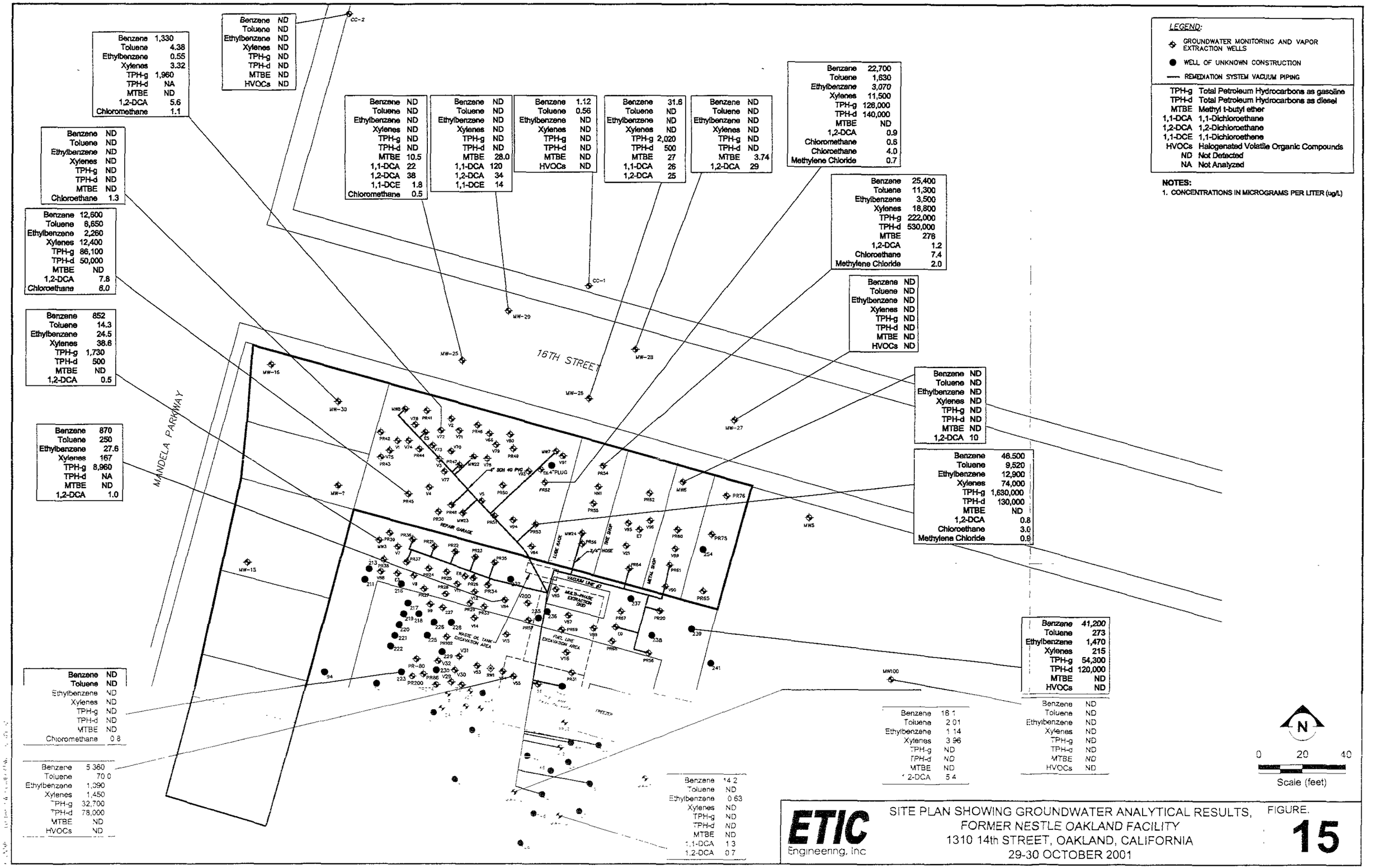
0 20 40

Scale (feet)

ETIC Engineering, Inc

SITE PLAN SHOWING GROUNDWATER ELEVATION CONTOURS (29 OCTOBER 2001) AND ROSE DIAGRAM (DECEMBER 1995-OCTOBER 2001), NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA

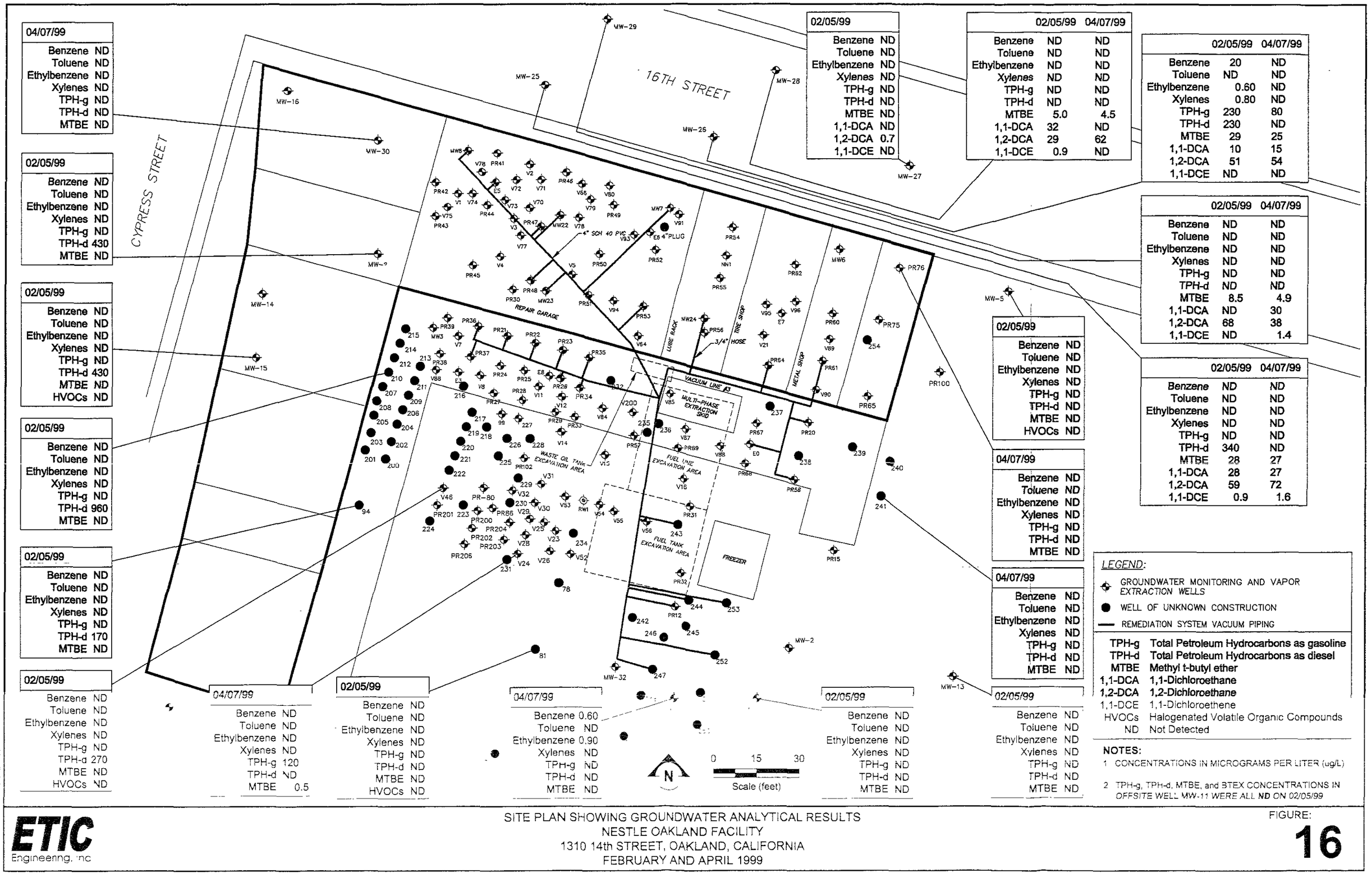
FIGURE. **14**



ETIC Engineering, Inc

SITE PLAN SHOWING GROUNDWATER ANALYTICAL RESULTS,
FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA
29-30 OCTOBER 2001

FIGURE.
15



04/07/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	ND

02/05/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	430
MTBE	ND

02/05/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	430
MTBE	ND
HVOCs	ND

02/05/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	960
MTBE	ND

02/05/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	170
MTBE	ND

02/05/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	270
MTBE	ND
HVOCs	ND

04/07/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	120
TPH-d	ND
MTBE	0.5

02/05/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	ND
HVOCs	ND

04/07/99	
Benzene	0.60
Toluene	ND
Ethylbenzene	0.90
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	ND

02/05/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	ND

02/05/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	ND

02/05/99	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	ND

	02/05/99	04/07/99
Benzene	ND	ND
Toluene	ND	ND
Ethylbenzene	ND	ND
Xylenes	ND	ND
TPH-g	ND	ND
TPH-d	ND	ND
MTBE	5.0	4.5
1,1-DCA	32	ND
1,2-DCA	29	62
1,1-DCE	0.9	ND

	02/05/99	04/07/99
Benzene	20	ND
Toluene	ND	ND
Ethylbenzene	0.60	ND
Xylenes	0.80	ND
TPH-g	230	80
TPH-d	230	ND
MTBE	29	25
1,1-DCA	10	15
1,2-DCA	51	54
1,1-DCE	ND	ND

	02/05/99	04/07/99
Benzene	ND	ND
Toluene	ND	ND
Ethylbenzene	ND	ND
Xylenes	ND	ND
TPH-g	ND	ND
TPH-d	ND	ND
MTBE	8.5	4.9
1,1-DCA	ND	30
1,2-DCA	68	38
1,1-DCE	ND	1.4

	02/05/99	04/07/99
Benzene	ND	ND
Toluene	ND	ND
Ethylbenzene	ND	ND
Xylenes	ND	ND
TPH-g	ND	ND
TPH-d	340	ND
MTBE	28	27
1,1-DCA	28	27
1,2-DCA	59	72
1,1-DCE	0.9	1.6

LEGEND:

- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- WELL OF UNKNOWN CONSTRUCTION
- REMEDIATION SYSTEM VACUUM PIPING

TPH-g	**Total Petroleum Hydrocarbons as gasoline**
TPH-d	**Total Petroleum Hydrocarbons as diesel**
MTBE	**Methyl t-butyl ether**
1,1-DCA	**1,1-Dichloroethane**
1,2-DCA	**1,2-Dichloroethane**
1,1-DCE	1,1-Dichloroethene
HVOCs	Halogenated Volatile Organic Compounds
ND	Not Detected

NOTES:

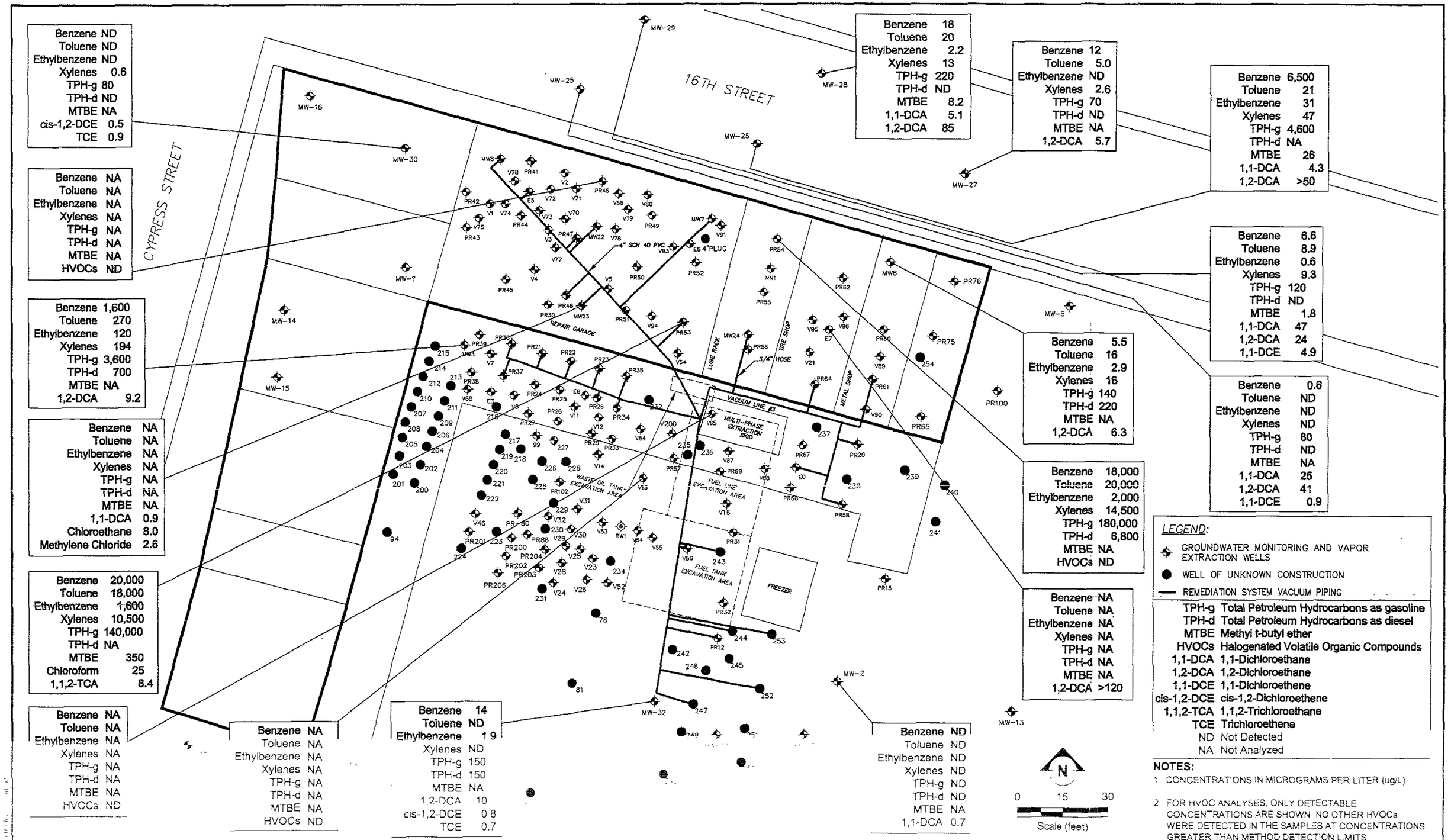
1 CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L)

2 TPH-g, TPH-d, MTBE, and BTEX CONCENTRATIONS IN OFFSITE WELL MW-11 WERE ALL **ND** ON 02/05/99

ETIC Engineering, Inc

SITE PLAN SHOWING GROUNDWATER ANALYTICAL RESULTS
NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA
FEBRUARY AND APRIL 1999

FIGURE:
16



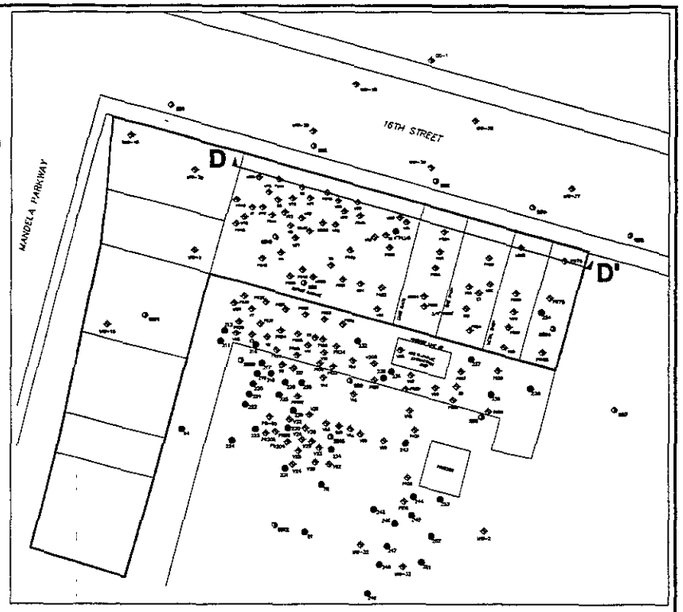
ETIC Engineering, Inc.

SITE PLAN SHOWING GROUNDWATER HVOC SAMPLE ANALYTICAL RESULTS
NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA
16 JANUARY 1997

FIGURE
17

D
(Northwest)

D'
(Southeast)



LOCATION OF CROSS-SECTION D-D'

Depth (feet)

0
5
10
15
20
25

MW8 (projected 2' NE) PR41 PR46 MW7 (projected 2' NE) PR54 (projected 2' NE) PR62 (projected 9' NE) MW6 (projected 1' SW) PR58* (projected 80' NE) PR76 PR65 (projected 45' NE)

TD=17' TD=15' TD=15' TD=22' TD=15' TD=15' TD=17' TD=15' TD=15' TD=15'

LEGEND

MW8 — Well Designation

- Grout
- Blank Casing
- Bentonite Seal
- Sand Filter Pack
- Depth to Water (06/01/99 and 06/11/99)
- Depth to Water (06/01/99 and 06/17/99)
- Screen

TD = Total Depth of Boring

* Shown only for well construction details

SCALE: feet

Silts, ML

Sands, SP

Clayey or Silty Sands, SC/SM

Tables

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-1	02/24/94	16.49	--	10.41	--	6.08
	03/18/94		--	8.51	--	7.98
	06/02/94		--	10.83	--	5.66
MW-2	02/24/94	15.11	--	9.21	--	5.90
	03/18/94		--	7.47	--	7.64
	06/02/94		--	9.65	--	5.46
	08/31/94		--	10.49	--	4.62
	12/22/94		--	8.74	--	6.37
	03/13/95		--	6.87	--	8.24
	06/09/95		--	8.47	--	6.64
	09/22/95		--	9.42	--	5.69
	12/12/95		--	10.23	--	4.88
	12/18/95		--	9.87	--	5.24
	03/12/96		--	6.70	--	8.41
	06/21/96		--	8.22	--	6.89
	08/29/96		--	9.59	--	5.52
	01/16/97		--	7.07	--	8.04
	04/15/97		--	8.21	--	6.90
	07/07/97		--	9.40	--	5.71
	10/27/97		--	10.25	--	4.86
	01/27/98		--	6.74	--	8.37
	04/22/98		--	6.37	--	8.74
	07/22/98		--	8.43	--	6.68
	10/21/98		--	9.74	--	5.37
	02/05/99		--	9.18	--	5.93
	07/21/99		--	8.92	--	6.19
MW-3	02/24/94	14.30	--	8.47	--	5.83
	03/18/94		--	7.23	--	7.07
	06/02/94		--	8.93	--	5.37
	08/31/94		--	9.91	--	4.39
	12/22/94		--	8.14	--	6.16
	03/13/95		--	6.64	--	7.66
	06/09/95		--	7.82	--	6.48
	09/22/95		--	9.08	--	5.22
	12/06/95		--	9.97	--	4.33
	12/12/95		--	9.53	--	4.77
	12/18/95		--	9.21	--	5.09
	03/12/96		--	6.31	--	7.99
	06/21/96		--	7.78	--	6.52
	08/29/96		--	9.05	--	5.25
	01/16/97		--	7.12	--	7.18
	04/15/97		--	7.78	--	6.52
	07/07/97		--	8.82	--	5.48
	10/27/97		--	9.60	--	4.70
	01/27/98		--	6.40	--	7.90
	04/22/98		--	6.15	--	8.15

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-3	07/22/98	14.30	--	7.92	--	6.38
	10/21/98		--	9.19	--	5.11
	02/05/99		--	8.79	--	5.51
	07/21/99		--	8.38	--	5.92
	10/25/99		--	9.48	--	4.82
	02/08/00		--	7.92	--	6.38
	04/26/00		--	6.91	--	7.39
	08/03/00		--	8.31	--	5.99
	10/23/00		--	9.18	--	5.12
	01/31/01		--	8.88	--	5.42
	04/26/01		--	7.47	--	6.83
	07/30/01		--	8.83	--	5.47
	10/29/01		--	9.42	--	4.88
MW-4	02/24/94	14.42	--	8.09	--	6.33
	03/18/94		--	7.00	--	7.42
	12/18/95		--	dry		--
	03/12/96		--	6.45	--	7.97
MW-5	02/24/94	14.41	--	8.08	--	6.33
	03/18/94		--	7.14	--	7.27
	06/02/94		--	9.09	--	5.32
	08/31/94		--	9.95	--	4.46
	12/22/94		--	8.22	--	6.19
	12/12/95		--	9.60	--	4.81
	03/12/96		--	6.46	--	7.95
	02/05/99		--	8.66	--	5.75
MW-6	02/24/94	14.12	--	8.34	--	5.78
	03/18/94		--	7.04	--	7.08
	06/02/94		--	8.88	--	5.24
	08/31/94		--	9.65	--	4.47
	12/22/94		--	7.99	--	6.13
	03/13/95		--	6.32	--	7.80
	06/09/95		--	8.53	--	5.59
	09/22/95		--	8.63	--	5.49
	12/12/95		--	9.36	--	4.76
	12/18/95		--	9.16	--	4.96
	03/12/96		--	6.03	--	8.09
	06/21/96		--	7.67	--	6.45
	08/29/96		--	8.93	--	5.19
	01/16/97		--	6.92	--	7.20
	04/15/97		--	7.65	--	6.47
	07/07/97		--	8.67	--	5.45
	10/27/97		--	9.43	--	4.69
	04/22/98		--	5.91	--	8.21
	07/22/98		--	7.82	--	6.30
	10/21/98		--	9.02	--	5.10

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-6	02/05/99	14.12	--	8.53	--	5.59
	02/08/00		--	7.68	--	6.44
	10/23/00		--	9.11	--	5.01
	01/31/01		--	8.78	--	5.34
	04/26/01		--	7.35	--	6.77
	07/30/01		--	8.67	--	5.45
	10/30/01		--	9.26	--	4.86
MW-7	02/24/94	14.29	8.64	9.78	1.14	4.51
	03/18/94		6.56	9.38	2.82	4.91
	06/02/94		9.12	9.38	0.26	4.91
	08/31/94		9.87	9.88	0.01	4.41
	12/22/94		8.29	8.33	0.04	5.96
	03/13/95		--	6.72	--	7.57
	06/09/95		--	8.79	--	5.50
	09/22/95		9.30	9.51	0.21	4.78
MW-8	02/24/94	14.20	8.55	8.99	0.44	5.21
	03/18/94		7.34	7.64	0.30	6.56
	06/02/94		8.93	9.24	0.31	4.96
	08/31/94		9.82	10.13	0.31	4.07
	12/22/94		8.21	8.47	0.26	5.73
	03/13/95		6.77	6.85	0.08	7.35
	06/09/95		8.81	8.90	0.09	5.30
	07/27/95		8.32	8.55	0.23	5.65
	09/22/95		9.29	9.53	0.24	4.67
	12/06/95		9.94	10.18	0.24	4.02
	12/18/95		9.16	9.36	0.20	4.84
	12/18/95		--	9.62	--	4.58
	12/18/95		--	9.25	--	4.95
	12/19/95		9.21	9.30	0.09	4.90
	12/19/95		9.34	9.35	0.01	4.85
	12/19/95		9.25	9.28	0.03	4.92
	12/28/95		9.22	9.27	0.05	4.93
MW-9	06/02/94	14.96	--	9.46	--	5.50
MW-10	02/24/94	15.73	--	9.59	--	6.14
	03/18/94		--	--	--	--
	06/02/94		--	10.17	--	5.56
MW-11	03/18/94	14.55	--	6.95	--	7.60
	06/02/94		--	8.99	--	5.56
	08/31/94		--	9.80	--	4.75
	12/22/94		--	8.15	--	6.40
	12/18/95		--	9.29	--	5.26
	03/12/96		--	5.95	--	8.60
	02/05/99		--	8.44	--	6.11

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-12	03/18/94	15.28	--	7.62	--	7.66
	12/18/95		--	10.03	--	5.25
	07/07/97		--	9.48	--	5.80
	02/05/99		--	9.20	--	6.08
MW-13	02/24/94	14.85	--	8.94	--	5.91
	03/18/94		--	8.62	--	6.23
	06/02/94		--	9.34	--	5.51
	08/31/94		--	10.15	--	4.70
	12/22/94		--	8.45	--	6.40
	12/12/95		--	9.94	--	4.91
	12/18/95		--	9.60	--	5.25
	03/12/96		--	6.40	--	8.45
	02/05/99		--	8.79	--	6.06
MW-14	02/24/94	14.10	--	dry	--	--
	03/18/94		--	dry	--	--
	12/06/95		--	dry	--	--
	02/05/99		--	8.31	--	5.79
MW-15	12/06/95	14.17	--	dry	--	--
	02/05/99		--	8.30	--	5.87
	07/21/99		--	8.15	--	6.02
MW-16	12/06/95	14.11	--	dry	--	--
MW-22	02/24/94	14.44	8.59	10.13	1.54	4.31
	03/18/94		6.98	--	>3.0	--
	06/02/94		9.02	10.16	1.14	4.28
	08/31/94		9.97	10.16	0.19	4.28
	12/22/94		8.39	8.42	0.03	6.02
	03/13/95		--	5.92	--	8.52
	06/09/95		--	8.60	--	5.84
	07/27/95		--	8.49	--	5.95
	09/22/95		9.42	9.74	0.32	4.70
	12/06/95		10.08	10.38	0.30	4.06
	12/18/95		--	9.35	--	5.09
MW-23	02/24/94	14.48	8.87	8.94	0.07	5.54
	03/18/94		7.04	8.44	1.40	6.04
	06/02/94		8.21	10.00	1.79	4.48
	08/31/94		9.93	10.61	0.68	3.87
	12/22/94		8.32	8.73	0.41	5.75
	03/13/95		--	5.52	--	8.96
	06/09/95		8.24	8.55	0.31	5.93
	07/27/95		8.43	8.87	0.44	5.61

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-23	09/22/95	14.48	9.35	10.06	0.71	4.42
	12/06/95		--	10.07	--	4.41
	12/18/95		9.40	9.70	0.30	4.78
	12/18/95		--	9.89	--	4.59
	12/18/95		9.46	9.49	0.03	4.99
	12/19/95		9.45	9.55	0.10	4.93
	12/19/95		--	9.88	--	4.60
	12/19/95		9.48	9.52	0.04	4.96
	12/28/95		9.40	9.52	0.12	4.96
MW-24	02/24/94	14.67	8.95	--	12.10	--
	03/18/94		7.45	--	>3.0	--
	06/02/94		9.11	10.08	0.97	4.59
	08/31/94		10.19	10.58	0.39	4.09
	12/22/94		--	8.55	--	6.12
	03/13/95		--	6.68	--	7.99
	06/09/95		--	9.54	--	5.13
	09/22/95		9.35	10.76	1.41	3.91
	12/06/95		10.39	10.39	--	4.28
MW-25	02/24/94	12.86	--	7.36	--	5.50
	03/18/94		--	6.14	--	6.72
	06/02/94		--	7.93	--	4.93
	08/31/94		--	8.75	--	4.11
	12/22/94		--	7.01	--	5.85
	03/13/95		--	5.77	--	7.09
	06/09/95		--	6.75	--	6.11
	09/22/95		--	7.45	--	5.41
	12/12/95		--	8.18	--	4.68
	12/18/95		--	7.84	--	5.02
	03/12/96		--	5.38	--	7.48
	06/21/96		--	6.50	--	6.36
	08/29/96		--	7.72	--	5.14
	01/16/97		--	6.00	--	6.86
	04/15/97		--	6.44	--	6.42
	07/07/97		--	7.53	--	5.33
	10/27/97		--	8.34	--	4.52
	01/27/98		--	5.37	--	7.49
	04/22/98		--	5.02	--	7.84
	07/22/98		--	6.47	--	6.39
	10/21/98		--	7.86	--	5.00
	02/05/99		--	7.51	--	5.35
	04/07/99		--	5.87	--	6.99
	07/21/99		--	7.12	--	5.74
	10/25/99		--	8.26	--	4.60
	02/08/00		--	6.70	--	6.16
	04/26/00		--	5.50	--	7.36

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-25	08/03/00	12.86	--	7.20	--	5.66
	10/23/00		--	8.05	--	4.81
	01/31/01		--	7.80	--	5.06
	04/26/01		--	6.24	--	6.62
	07/30/01		--	7.51	--	5.35
	10/29/01		--	8.17	--	4.69
MW-26	02/24/94	12.71	--	7.21	--	5.50
	03/18/94		--	5.83	--	6.88
	06/02/94		--	7.68	--	5.03
	08/31/94		--	8.47	--	4.24
	12/22/94		--	6.98	--	5.73
	03/13/95		--	5.25	--	7.46
	06/09/95		--	6.47	--	6.24
	09/22/95		--	7.23	--	5.48
	12/12/95		--	7.99	--	4.72
	12/18/95		--	7.69	--	5.02
	03/12/96		--	4.86	--	7.85
	06/21/96		--	6.30	--	6.41
	08/29/96		--	7.51	--	5.20
	01/16/97		--	5.70	--	7.01
	04/15/97		--	7.48	--	5.23
	07/07/97		--	7.38	--	5.33
	10/27/97		--	8.15	--	4.56
	01/27/98		--	5.12	--	7.59
	04/22/98		--	4.90	--	7.81
	07/22/98		--	6.47	--	6.24
	10/21/98		--	7.64	--	5.07
	02/05/99		--	7.34	--	5.37
	04/07/99		--	5.70	--	7.01
	07/21/99		--	6.96	--	5.75
	10/25/99		--	8.05	--	4.66
	02/08/00		--	6.77	--	5.94
	04/26/00		--	6.19	--	6.52
	08/03/00		--	7.12	--	5.59
	10/23/00		--	8.85	--	3.86
	01/31/01		--	7.55	--	5.16
	04/26/01		--	7.05	--	5.66
	07/30/01		--	7.37	--	5.34
	10/29/01		--	7.96	--	4.75
MW-27	02/24/94	14.04	--	8.41	--	5.63
	03/18/94		--	7.23	--	6.81
	06/02/94		--	8.94	--	5.10
	12/12/95		--	9.30	--	4.74
	06/21/96		--	7.64	--	6.40

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-27	08/29/96	14.04	--	8.82	--	5.22
	01/16/97		--	7.06	--	6.98
	04/15/97		--	7.36	--	6.68
	07/22/98		--	7.83	--	6.21
	02/05/99		--	8.53	--	5.51
	07/21/99		--	8.22	--	5.82
	10/25/99		--	9.28	--	4.76
	02/08/00		--	7.72	--	6.32
	04/26/00		--	6.75	--	7.29
	08/03/00		--	8.25	--	5.79
	10/23/00		--	9.13	--	4.91
	01/31/01		--	8.92	--	5.12
	04/26/01		--	7.44	--	6.60
	07/30/01		--	8.70	--	5.34
	10/29/01		--	9.26	--	4.78
MW-28	02/24/94	13.45	--	7.98	--	5.47
	03/18/94		--	6.65	--	6.80
	06/02/94		--	8.28	--	5.17
	08/31/94		--	9.03	--	4.42
	12/22/94		--	6.73	--	6.72
	03/13/95		--	5.93	--	7.52
	06/09/95		--	7.20	--	6.25
	09/22/95		--	8.37	--	5.08
	12/12/95		--	9.00	--	4.45
	12/18/95		--	8.44	--	5.01
	03/12/96		--	5.62	--	7.83
	06/21/96		--	7.08	--	6.37
	08/29/96		--	9.30	--	4.15
	01/16/97		--	6.50	--	6.95
	04/15/97		--	7.17	--	6.28
	07/07/97		--	8.26	--	5.19
	10/27/97		--	8.93	--	4.52
	01/27/98		--	5.81	--	7.64
	04/22/98		--	5.60	--	7.85
	07/22/98		--	7.27	--	6.18
	10/21/98		--	8.43	--	5.02
	02/05/99		--	7.19	--	6.26
	04/07/99		--	6.41	--	7.04
	07/21/99		--	7.70	--	5.75
	10/25/99		--	8.39	--	5.06
	02/08/00		--	7.27	--	6.18
	04/26/00		--	6.19	--	7.26
	08/03/00		--	7.75	--	5.70
	10/23/00		--	9.40	--	4.05
	01/31/01		--	8.68	--	4.77
	04/26/01		--	6.14	--	7.31

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-28	07/30/01	13.45	--	8.15	--	5.30
	10/29/01		--	8.68	--	4.77
MW-29	02/24/94	12.60	--	7.20	--	5.40
	03/18/94		--	5.82	--	6.78
	06/02/94		--	7.62	--	4.98
	08/31/94		--	8.44	--	4.16
	12/22/94		--	7.00	--	5.60
	03/13/95		--	5.55	--	7.05
	06/09/95		--	6.59	--	6.01
	09/22/95		--	7.58	--	5.02
	12/12/95		--	8.02	--	4.58
	12/18/95		--	7.76	--	4.84
	03/12/96		--	5.01	--	7.59
	06/21/96		--	6.33	--	6.27
	08/29/96		--	7.50	--	5.10
	01/16/97		--	5.78	--	6.82
	04/15/97		--	6.36	--	6.24
	07/07/97		--	7.33	--	5.27
	10/27/97		--	8.11	--	4.49
	01/27/98		--	5.15	--	7.45
	04/22/98		--	4.95	--	7.65
	07/22/98		--	6.45	--	6.15
	10/21/98		--	7.65	--	4.95
	02/05/99		--	8.01	--	4.59
	04/07/99		--	5.66	--	6.94
	07/21/99		--	6.88	--	5.72
	10/25/99		--	8.01	--	4.59
	02/08/00		--	6.64	--	5.96
	04/26/00		--	5.82	--	6.78
	08/03/00		--	6.91	--	5.69
	10/23/00		--	7.71	--	4.89
	01/31/01		--	7.54	--	5.06
	04/26/01		--	6.10	--	6.50
	07/30/01		--	7.35	--	5.25
	10/29/01		--	7.95	--	4.65
MW-30	02/24/94	14.54	--	8.95	--	5.59
	03/18/94		--	7.79	--	6.75
	06/02/94		--	9.47	--	5.07
	08/31/94		--	10.27	--	4.27
	12/22/94		--	8.64	--	5.90
	03/13/95		--	7.23	--	7.31
	06/09/95		--	8.34	--	6.20
	09/22/95		--	9.41	--	5.13
	12/06/95		--	10.35	--	4.19
	12/12/95		--	9.90	--	4.64
	12/18/95		--	9.55	--	4.99

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-30	03/12/96	14.54	--	6.93	--	7.61
	06/21/96		--	8.23	--	6.31
	08/29/96		--	9.53	--	5.01
	01/16/97		--	7.72	--	6.82
	04/15/97		--	8.31	--	6.23
	07/07/97		--	9.28	--	5.26
	10/27/97		--	10.02	--	4.52
	01/27/98		--	7.04	--	7.50
	04/22/98		--	6.91	--	7.63
	07/22/98		--	8.44	--	6.10
	10/21/98		--	9.60	--	4.94
	02/05/99		--	9.08	--	5.46
	04/07/99		--	7.63	--	6.91
	07/21/99		--	8.80	--	5.74
	10/25/99		--	9.87	--	4.67
	02/08/00		--	8.36	--	6.18
	04/26/00		--	7.41	--	7.13
	08/03/00		--	8.55	--	5.99
	10/23/00		--	9.73	--	4.81
	01/31/01		--	9.32	--	5.22
	04/26/01		--	8.03	--	6.51
	07/30/01		--	9.23	--	5.31
	10/29/01		--	9.85	--	4.69
MW-31	06/02/94	14.92	--	9.42	--	5.50
MW-32	02/24/94	14.76	--	8.95	--	5.81
	03/18/94		--	7.25	--	7.51
	06/02/94		--	9.28	--	5.48
	08/31/94		--	10.12	--	4.64
	12/22/94		--	8.40	--	6.36
	03/13/95		--	6.63	--	8.13
	06/09/95		--	7.94	--	6.82
	09/22/95		--	9.32	--	5.44
	12/12/95		--	9.84	--	4.92
	12/18/95		--	9.53	--	5.23
	03/12/96		--	6.23	--	8.53
	06/21/96		--	7.85	--	6.91
	08/29/96		--	9.22	--	5.54
	01/16/97		--	7.14	--	7.62
	04/15/97		--	7.89	--	6.87
	07/07/97		--	9.00	--	5.76
	10/27/97		--	9.86	--	4.90
	01/27/98		--	6.35	--	8.41
	04/22/98		--	6.05	--	8.71
	07/22/98		--	8.06	--	6.70
	10/21/98		--	9.35	--	5.41
	02/05/99		--	8.76	--	6.00

TABLE 1 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–2001

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-32	07/21/99	14.76	--	8.52	--	6.24
	10/25/99		--	9.60	--	5.16
	02/08/00		--	8.09	--	6.67
	04/26/00		--	7.09	--	7.67
	08/03/00		--	7.65	--	7.11
	10/23/00		--	9.42	--	5.34
	01/31/01		--	9.14	--	5.62
	04/26/01		--	7.65	--	7.11
	07/30/01		--	9.03	--	5.73
	10/29/01		--	9.62	--	5.14
MW33	07/21/99		--	8.56	--	
	10/25/99		--	9.62	--	
	04/26/00		--	6.82	--	
	08/03/00		--	7.51	--	
	10/23/00		--	9.43	--	
	01/31/01		--	9.20	--	
	04/26/01		--	7.65	--	
	07/30/01		--	9.03	--	
	10/29/01		--	9.64	--	
MW100	07/30/01		--	9.43	--	
	10/30/01		--	10.03	--	

-- Product not present.

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-2	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	--	--	--	--	--	--	--	--	--	--	--	
	02/25/94	<1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	<0.5	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	<0.3	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.8	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	0.7	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	<0.5	<0.5	<0.5	<0.5	<50	<150	0.7	<0.5	<0.5	<0.5	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
	01/27/98	<0.5	<0.5	<0.5	<0.5	100	<150	--	--	--	--	<0.5	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	--	--	--	--	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-3	03/23/93	35	2.9	2	3.2	300	ND	--	--	--	--	--	
	07/27/93	97	1	4	1.1	220	ND	--	--	--	--	--	
	11/05/93	4.9	ND	ND	1.2	170	ND	--	--	--	--	--	
	02/25/94	42	<1	<1	<1	100	<1,000	--	--	--	--	--	
	06/03/94	120	8.2	8.4	4.5	320	<20,000	--	--	--	--	--	
	08/31/94	83	1.1	5.3	2.9	<500	<500	--	--	--	--	--	
	12/22/94	1,460	18	100	50	3,800	270	--	--	--	--	--	
	03/13/95	3,600	260	270	280	14,000	1,700	--	--	--	--	--	
	06/09/95	4,700	58	140	71	3,700	120	--	--	--	--	--	
	09/21/95	9,800	58	600	95	14,000	300	--	--	--	--	--	
	12/12/95	330	2.1	47	5.3	700	<50	--	--	--	--	--	
	03/12/96	350	4.6	23	8.7	600	<50	--	--	--	--	--	
	06/21/96	940	76	98	57	1,900	<50	--	--	--	--	--	
	08/29/96	420	29	44	28	900	<150	--	--	--	--	--	
	01/16/97	1,600	270	120	194	3,600	700	<0.5	9.2	<0.5	<0.5	--	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-3	04/15/97	1,300	300	180	160	4,300	800	<0.5	16	<0.5	1.1	6.9	
	07/07/97	100	84	100	67	1,900	350	--	--	--	--	3.8	
	10/27/97	1,030	60	54	40	2,200	--	<0.5	2.4	<0.5	<0.5	3.1	
	01/27/98	1,070	98	73	69	3,200	--	--	--	--	--	3.9	
	04/22/98	610	56	49	54	1,800	--	<0.5	3.0	<0.5	<0.5	1.1	
	07/22/98	1,800	230	160	180	3,600	370	--	--	--	--	5.0	
	10/21/98	78	1.0	3.8	0.6	110	<250	<0.5	0.6	<0.5	<0.5	<0.5	
	07/23/99	1,500	140	76.0	260	4,000	790	<0.5	1.0	<0.5	<0.5	5.60	
	10/28/99	1,100	43	58	102	3,000	600	<0.5	0.9	--	<0.5	--	
	02/10/00	690	22	36	49	1,400	520	<0.5	<0.5	<0.5	<0.5	2.20	
	04/27/00	1,100	140	73	163	2,400	250	<0.5	0.6	<0.5	<0.5	<0.5	
	08/03/00	520	7.7	21	27	1,100	750	<0.5	0.6	<0.5	<0.5	<0.5	
	10/23/00	2,000	16	22	46	3,800	760	<0.5	0.7	<0.5	<0.5	<0.5	
	01/31/01	360	8.6	14	28	860	300	<0.5	0.6	<0.5	<0.5	<0.5	
	04/26/01	808	60.6	46.8	115	1,530	280	<0.5	0.8	<0.5	<0.5	<0.5	
	07/30/01	788	23.3	44.6	80.7	1,400	350	<0.5	0.6	<0.5	<0.5	<0.5	
	10/29/01	852	14.3	24.5	38.6	1,730	500	<0.5	0.5	<0.5	<0.5	<0.5	
MW-5	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	02/25/94	<1	<1	<1	3.5	<100	<1,000	--	--	--	--	--	
	06/03/94	2.7	<0.5	<0.5	<0.5	69	<20,000	--	--	--	--	--	
	08/31/94	<0.3	8.7	1.6	3.5	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	1.2	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	0.6	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	5.5	16	2.9	16	140	220	<0.5	6.3	<0.5	<0.5	--	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-6	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
	10/24/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	7.7	<0.5	<0.5	<0.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	6.9	<0.5	<0.5	<0.5	
	04/27/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	6.6	<0.5	<0.5	<0.5	
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	9.2	<0.5	<0.5	<0.5	
	10/30/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	10	<0.5	<0.5	<0.5	
MW-11	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
MW-12	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
MW-13	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
MW-15	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	430	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-25	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	4.2	4.4	2.5	20	170	ND	--	--	--	--	--	
	02/25/94	2.1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	2.4	14	<0.5	3.4	97	<20,000	--	--	--	--	--	
	08/31/94	0.5	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.58	<0.5	<0.5	<0.5	150	950	--	--	--	--	--	
	06/09/95	0.8	<0.5	<0.5	<0.5	<100	60	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	120	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	90	<150	--	--	--	--	--	
	01/16/97	0.6	<0.5	<0.5	<0.5	80	<150	25	41	<0.5	<0.5	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	140	<150	--	--	--	--	11	
	01/27/98	<0.5	<0.5	<0.5	<0.5	<100	--	--	--	--	--	10	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	24	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-25	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	340	28	59	<0.5	<0.5	28	h
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	27	72	<0.5	<0.5	27	i
	07/23/99	1.80	<0.5	<0.5	<0.5	<50	<200	30	58	<0.5	<0.5	23.0	
	10/27/99	<0.5	1.4	<0.5	1.0	<100	<200	35	47	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	100	<250	39	41	<0.5	<0.5	29.0	q
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	51	38	<0.5	<0.5	18	t
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	<250	40	57	<0.5	<0.5	27	w
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	54	68	<0.5	<0.5	38	B
	01/31/01	<0.5	<0.5	<0.5	<0.5	90	<250	52	46	<0.5	<0.5	22	D
	04/26/01	<0.5	0.62	<0.5	<0.5	<200	<250	49	37	<0.5	<0.5	15.8	L
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	33	36	<0.5	<0.5	10.9	rr, ss
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	22	38	<0.5	<0.5	10.5	tt, uu
MW-26	03/23/93	180	190	55	330	7,000	1,300	ND	ND	ND	ND	--	
	07/27/93	470	96	30	80	1,800	ND	ND	140	ND	ND	--	
	11/05/93	4,700	1,300	9	1,400	19,000	ND	ND	120	ND	ND	--	
	02/25/94	4,800	570	200	860	14,000	<1,000	<1	28	<1	<1	--	
	06/03/94	4,100	300	120	230	12,000	<20,000	1.7	140	<0.5	<0.5	--	c
	08/31/94	4,100	360	170	450	93,000	1,400	<4.0	<4.0	<4.0	<4.0	--	
	12/22/94	1,030	170	85	290	5,000	560	<2.0	<2.0	<2.0	<2.0	--	d
	03/13/95	320	19	23	66	3,000	810	53	5.8	<0.5	<0.5	--	
	06/09/95	14,000	64	31	230	10,800	310	240	3.1	1	<0.5	--	
	09/21/95	1,900	160	160	330	8,000	200	1.3	120	<0.5	<0.5	--	
	12/12/95	13,000	38	36	120	25,000	0.6	1.4	180	<0.5	<0.5	--	b
	03/12/96	9,000	33	30	65	4,400	<50	<0.5	180	<0.5	<0.5	--	
	06/21/96	14,000	27	16	66	5,400	<50	3.2	170	<0.5	<0.5	--	
	08/29/96	8,500	26	28	74	19,000	<150	<0.5	160	<0.5	<0.5	--	
	01/16/97	6,500	21	31	47	4,600	--	4.3	>50	<0.5	<0.5	26	
	04/15/97	16,000	33	40	160	26,000	2,200	3.5	97	<0.5	2.4	40	e
	07/07/97	22,000	44	170	200	28,000	1,100	<5.0	<5.0	<5.0	<5.0	95	
	10/27/97	16,000	26	100	37	30,000	--	3.6	92	<0.5	<0.5	38	
	01/27/98	23,600	<5.0	<5.0	<5.0	26,000	420	8.3	100	<0.5	<0.5	100	
	04/22/98	5,000	4.3	9.2	16	14,000	--	13	130	<0.5	<0.5	27	
	07/22/98	3,800	5.7	6.9	11	5,200	750	10	110	--	<1.0	33	
	10/21/98	420	<0.5	2.1	2.7	820	<250	24	82	<0.5	<0.5	31	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-26	02/05/99	20	<0.5	0.60	0.80	230	230	10	51	<0.5	<0.5	29	
	04/07/99	<0.5	<0.5	<0.5	<0.5	80	<250	15	54	<0.5	<0.5	25	
	07/23/99	7.10	<0.5	<0.5	0.80	180	<200	12	32	<0.5	<0.5	12.0	
	10/27/99	14	1.4	2.9	7.8	400	<200	13	30	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	80	<250	13	32	<0.5	<0.5	28.0	
	04/26/00	0.7	<0.5	0.6	<0.5	200	340	7.5	39	<0.5	<0.5	22	
	08/03/00	6.8	<0.5	0.6	1.4	<50	<250	7.4	19	<0.5	<0.5	19	
	10/23/00	10	0.8	1.7	1.7	80	<250	5.1	37	<0.5	<0.5	26	
	01/31/01	26	0.70	2.4	2.2	390	320	5.7	51	<0.5	<0.5	33	
	04/26/01	10.6	<0.5	0.70	1.04	400	350	16	39	<0.5	<0.5	28.5	
	07/30/01	107	<0.5	1.42	1.06	1,920	380	22	44	<0.5	<0.5	31.4	
	10/29/01	31.6	<0.5	<0.5	<1.0	2,020	500	26	25	<0.5	<0.5	27	
MW-27	06/21/96	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5	6.8	<0.5	<0.5	--	
	08/29/96	--	--	--	--	--	--	--	--	--	--	--	
	01/16/97	12	5.0	<0.5	2.6	70	<150	<0.5	5.7	<0.5	<0.5	--	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	<1.0	1.4	--	<1.0	<0.5	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	0.7	<0.5	<0.5	<0.5	
	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	0.7	<0.5	<0.5	<0.5	
	10/27/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/00	<0.5	<0.5	<0.5	<0.5	<100	250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/16/00	<0.5	<0.5	<0.5	<0.5	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-28	03/23/93	ND	ND	ND	ND	110	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	2.1	ND	ND	--	--	--	--	--	
	02/25/94	<1	<1	<1	<1	<100	<1	--	--	--	--	--	
	06/03/94	3.1	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	1.4	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-28	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.91	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	18	20	2.2	13	220	<150	5.1	85	<0.5	<0.5	8.2	
	04/15/97	<0.5	<0.5	<0.5	<0.5	120	<150	1.1	150	<0.5	<0.5	7.1	
	07/07/97	<0.5	<0.5	<0.5	<0.5	110	<150	<5.0	170	<5.0	<5.0	7.2	
	10/27/97	3.6	<0.5	<0.5	<0.5	300	--	6.2	120	<0.5	<0.5	36	
	01/27/98	7.6	<0.5	<0.5	<0.5	500	<150	--	--	--	--	56	
	04/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	1.0	89	<0.5	<0.5	8.6	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	<1.0	85	--	<1.0	18	
	10/21/98	<0.5	<0.5	<0.5	<0.5	<50	<250	0.5	80	<0.5	<0.5	12	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	32	29	<0.5	<0.5	5.0	h
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	62	<0.5	<0.5	4.5	
	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	50	<0.5	<0.5	1.80	
	10/27/99	--	--	--	--	--	<200	--	--	--	--	--	
	11/02/99	0.7	<0.5	<0.5	<0.5	<100	--	<0.5	32	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	39	<0.5	<0.5	4.30	
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	<0.5	50	<0.5	<0.5	1.5	
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	47	<0.5	<0.5	3.7	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	57	<0.5	<0.5	4.7	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	46	<0.5	<0.5	4.4	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	26	<0.5	<0.5	1.98	
	07/30/01	0.5	<0.5	0.64	2.58	<200	<250	<0.5	38	<0.5	<0.5	3.0	T
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	29	<0.5	<0.5	3.74	
MW-29	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	2.1	11	ND	ND	--	--	--	--	--	
	02/25/94	<1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	<0.5	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-29	08/31/94	<0.3	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.59	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	6.6	8.9	0.6	9.3	120	<150	47	24	<0.5	<0.5	1.8	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	52	21	<5.0	<5.0	1.2	
	01/27/98	<0.5	<0.5	<0.5	<0.5	100	<150	--	--	--	--	8.0	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	12	29	--	<1.0	7.8	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	68	<0.5	<0.5	8.5	
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	30	38	<0.5	<0.5	4.9	j
	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	44	33	<0.5	1.9	4.70	k, l
	10/27/99	<0.5	<0.5	<0.5	<0.5	<100	<200	36	23	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	87	25	<0.5	<0.5	18.0	s
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	61	38	<0.5	<0.5	12	u
	08/16/00	<0.5	<0.5	<0.5	<0.5	<50	--	49	21	<0.5	<0.5	17	v
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	94	40	<0.5	<0.5	34	C
	01/31/01	<0.5	<0.5	<0.5	<0.5	60	<250	100	35	<0.5	<0.5	26	E
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	270	87	38	<0.5	<0.5	39.1	M
	07/30/01	1.25	1.28	1.1	5.99	220	<250	120	42	<0.5	<0.5	42.3	U
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	120	34	<0.5	<0.5	28.0	V
MW-30	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	2.8	ND	ND	--	--	--	--	--	
	02/25/94	1.3	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	1.1	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	0.8	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	0.6	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.98	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-30	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	<0.5	<0.5	<0.5	0.6	80	<150	<0.5	<0.5	<0.5	0.9	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
	01/27/98	5.4	<0.5	<0.5	<0.5	100	--	--	--	--	--	<0.5	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	--	--	--	--	<0.5	
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/28/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/00	<0.5	<0.5	<0.5	<0.5	<100	250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/04/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/24/00	5.4	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/29/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	W
MW-32	03/23/93	391	6.2	3.1	9	440	ND	ND	60	ND	ND	--	
	07/27/93	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	--	
	11/05/93	20	ND	1.8	2.1	170	ND	ND	7.9	ND	ND	--	
	02/25/94	5.6	<1	<1	<1	<100	<1,000	<1	<1	<1	<1	--	
	06/03/94	120	1.3	<0.5	1.4	350	<20,000	<0.5	11	<0.5	<0.5	--	
	08/31/94	39	0.5	2.2	1.2	<500	<500	<4.0	10	<4.0	<4.0	--	
	12/22/94	4.8	<0.5	<0.5	<0.5	<50	<50	<2.0	4.6	<2.0	<2.0	--	a
	03/13/95	220	3.6	6.5	5.8	1,100	<400	<0.5	16	<0.5	<0.5	--	
	06/09/95	1,500	7.9	43	14	2,200	180	0.7	<0.5	0.5	<0.5	--	
	09/21/95	1,200	2.4	72	4.5	2,300	60	<0.5	6.7	<0.5	1.4	--	
	12/12/95	230	<0.5	8.9	<1.0	500	<50	<0.5	28	<0.5	<0.5	--	
	03/12/96	40	<0.5	1.7	<0.5	110	<50	<0.5	6.8	<0.5	<0.5	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	150	<0.5	49	<0.5	700	<150	<0.5	27	<0.5	<0.5	--	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-32	01/16/97	14	<0.5	1.9	<0.5	150	<150	<0.5	10	<0.5	0.7	--	f
	07/07/97	370	11	110	21	1,600	190	--	--	--	--	11	g
	01/27/98	13	<0.5	1.0	<0.5	300	--	<0.5	7.5	<0.5	<0.5	2.5	
	07/22/98	700	55	88	66	2,300	--	--	--	--	--	14	
	07/22/99	59.0	0.80	1.80	<0.5	900	220	<0.5	5.9	<0.5	<0.5	8.70	
	10/28/99	95	2.5	2.1	1.6	500	<200	<0.5	12	--	<0.5	--	
	02/10/00	7.0	<0.5	<0.5	<0.5	120	<250	<0.5	4.3	<0.5	<0.5	1.10	
	04/27/00	240	7.0	12	18.8	800	250	<0.5	9.8	<0.5	<0.5	<0.5	
	08/03/00	620	3.0	14	4.1	1,300	<250	<0.5	3.0	<0.5	<0.5	<0.5	
	10/23/00	430	4.30	5.50	8.80	1,200	260	<0.5	7.8	<0.5	<0.5	<0.5	
	01/31/01	42	1.5	0.90	2.8	280	<250	<0.5	5.7	<0.5	<0.5	3.6	
	04/26/01	268	13.0	22.1	22.0	780	<250	<0.5	6.3	<0.5	<0.5	<0.5	
	07/30/01	29.4	<0.5	0.52	0.51	320	<250	<0.5	6.6	<0.5	<0.5	<0.5	
	10/29/01	16.1	2.01	1.14	3.96	<200	<500	<0.5	5.4	<0.5	<0.5	<0.5	
MW-33	04/07/99	0.60	<0.5	0.90	<0.5	<50	<250	--	--	--	--	<0.5	
	07/22/99	8.90	<0.5	1.00	<0.5	<50	<200	0.6	0.7	<0.5	<0.5	<0.5	
	10/28/99	40	0.9	21	3.8	200	<200	0.8	1.3	--	<0.5	--	
	02/10/00	20	0.7	12	10.0	380	<250	0.9	0.6	<0.5	<0.5	1.30	
	04/27/00	6.9	<0.5	6.4	<0.5	<100	250	4.3	0.9	<0.5	<0.5	<0.5	
	08/03/00	31	0.5	20	1.0	150	550	<0.5	0.6	<0.5	<0.5	<0.5	
	10/23/00	89	1.5	36	3.9	350	<250	<0.5	2.1	<0.5	<0.5	<0.5	
	01/31/01	6.8	<0.5	2.0	<0.5	<50	<250	1.9	0.6	<0.5	<0.5	0.7	
	04/26/01	6.61	0.56	1.63	0.61	<200	<250	2.6	<0.5	<0.5	<0.5	<0.5	
	07/30/01	4.43	2.61	1.34	6.6	<200	<250	2.2	0.5	<0.5	<0.5	<0.5	mm
	10/29/01	14.2	<0.5	0.63	<1.0	<200	<500	1.3	0.7	<0.5	<0.5	<0.5	
MW100	07/06/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	pp
	10/30/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-?	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	430	--	--	--	--	<0.5	
PR-26	07/26/99	20,000	15,000	1,100	7,250	82,500	11,000	--	--	--	--	33.0	
	10/26/99	28,000	25,000	2,300	8,400	110,000	60,000	<0.5	24	--	<0.5	--	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
PR-45	07/26/99	13,200	8,200	2,600	15,600	82,500	39,000	--	--	--	--	35.0	
	10/28/99	12,000	8,200	1,700	8,500	45,000	25,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	24,000	25,000	10,000	53,000	360,000	82,000	<0.5	4.0	<0.5	<0.5	1,000	
	04/27/00	17,000	9,500	16,000	92,000	1,300,000	20,300	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/04/00	20,000	8,800	2,600	16,000	73,000	54,500	<0.5	1.0	<0.5	<0.5	<0.5	
	10/23/00	26,000	12,000	4,000	20,000	96,000	36,000	<0.5	1.2	<0.5	<0.5	<5.0	x
	04/27/01	16,200	8,600	3,220	19,000	178,000	22,700	<0.5	14	<0.5	<0.5	<25	O
	07/30/01	14,500	8,900	4,400	24,700	132,000	29,700	<0.5	11	<0.5	<0.5	<50	vv, ww, xx
	10/29/01	12,600	6,650	2,260	12,400	86,100	50,000	<0.5	7.8	<0.5	<0.5	<25	yy
PR-52	07/26/99	12,000	1,720	750	12,400	172,000	40,000	<0.5	1.8	<0.5	<0.5	217	m
	10/28/99	19,000	530	1,800	5,800	40,000	450,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	22,000	1,600	4,100	15,800	200,000	140,000	<0.5	1.3	<0.5	<0.5	430	
	04/28/00	20,000	2,200	4,700	18,600	270,000	88,000	<1.0	<1.0	<1.0	<1.0	<5.0	
	08/04/00	26,000	1,600	2,900	15,000	150,000	110,000	<0.5	2.3	<0.5	<0.5	<0.5	
	10/24/00	52,000	13,000	41,000	180,000	650,000	280,000	<5.0	<5.0	<5.0	<5.0	<5.0	
	01/31/01	81,000	840	57,000	210,000	5,300,000	276,000	<0.5	1.0	<0.5	<0.5	500	J, K
	04/27/01	25,000	16,300	14,700	55,000	886,000	134,000	<0.5	<0.5	<0.5	<0.5	1,040	R
	07/30/01	31,100	2,480	13,500	51,700	340,000	185,000	<0.5	1.3	<0.5	<0.5	2,510	gg, hh, ii
	10/29/01	22,700	1,630	3,070	11,500	126,000	140,000	<0.5	0.9	<0.5	<0.5	<50	jj, kk, ll
PR-53	07/26/99	31,000	12,000	1,900	8,800	110,000	98,000	<0.5	43	<0.5	<0.5	43.0	n
	10/27/99	17,000	3,900	890	3,320	54,000	16,000	<0.5	18	--	<0.5	--	
	02/09/00	21,000	5,000	1,200	5,300	65,000	9,400	0.6	20	<0.5	<0.5	67.0	r
	04/28/00	34,000	30,000	9,300	51,000	730,000	104,000	<1.0	<1.0	<1.0	<1.0	340	
	08/04/00	35,000	17,000	3,800	24,000	180,000	69,500	<0.5	1.7	<0.5	<0.5	110	
	10/24/00	99,000	110,000	80,000	640,000	580,000	380,000	<5.0	5.0	<5.0	<5.0	380	
	01/31/01	66,000	15,000	28,000	140,000	2,400,000	960,000	<0.5	1.5	<0.5	<0.5	660	H, I
	04/27/01	55,500	10,000	23,700	137,000	4,240,000	806,000	<0.5	<0.5	<0.5	<0.5	<5,000	Q
	10/29/01	46,500	9,520	12,900	74,000	1,630,000	130,000	<0.5	0.8	<0.5	<0.5	<500	ee, ff
PR-54	07/26/99	32,000	22,000	1,500	21,800	170,000	28,000	<0.5	3.0	<0.5	<0.5	56.0	o
	10/26/99	27,000	10,000	3,700	19,500	190,000	350,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	27,000	23,000	9,900	50,000	960,000	110,000	<0.5	3.9	<0.5	<0.5	1,000	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
PR-54	04/28/00	24,000	14,000	1,200	9,000	76,000	80,000	<1.0	1.6	<1.0	<1.0	300	
	08/04/00	27,000	7,600	1,400	11,000	120,000	54,500	<0.5	2.0	<0.5	<0.5	200	
	10/24/00	23,000	4,400	2,000	13,000	140,000	96,000	<0.5	2.3	<0.5	<0.5	<100	y, z
	01/31/01	30,000	8,300	3,300	21,000	220,000	236,000	<0.5	2.6	<0.5	<0.5	480	F, G
	04/27/01	26,100	8,650	2,120	15,900	51,300	108,000	<0.5	<0.5	<0.5	<0.5	<500	P
	07/30/01	31,700	18,000	9,880	58,400	320,000	71,200	<0.5	3.9	<0.5	<0.5	2,750	Z, aa, bb
	10/30/01	25,400	11,300	3,500	18,800	222,000	530,000	<0.5	1.2	<0.5	<0.5	276	cc, dd
PR-64	07/26/99	22,000	18,000	1,700	10,300	110,000	--	<0.5	130	<0.5	<0.5	35.0	p
	10/27/99	11,000	7,400	1,200	3,900	66,000	50,000	<0.5	110	--	<0.5	--	
	02/09/00	22,000	20,000	6,000	17,000	120,000	40,000	<0.5	>50	<0.5	<0.5	110	
	04/28/00	19,000	16,000	1,800	13,900	130,000	78,000	<1.0	67	<1.0	<1.0	300	
PR-65	07/26/99	12,000	1,400	1,300	13,000	68,000	16,500	<0.5	2.6	<0.5	<0.5	20.0	
	10/26/99	14,000	2,300	1,800	11,000	65,000	50,000	<0.5	<0.5	--	<0.5	--	
PR-68	07/26/99	1,900	24.0	27.0	62.0	4,900	11,000	<0.5	1.2	<0.5	<0.5	4.40	
	10/26/99	2,800	36	86	62	8,000	2,800	<0.5	<0.5	--	<0.5	--	
PR-76	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
V-24	04/07/99	<0.5	<0.5	<0.5	<0.5	120	<250	--	--	--	--	0.5	
V-31	07/26/99	7,000	600	550	1,370	17,500	5,350	--	--	--	--	19.0	
	10/26/99	7,000	120	850	950	18,000	3,000	<0.5	<0.5	--	<0.5	--	
V-46	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	270	<0.5	<0.5	<0.5	<0.5	<0.5	
V-55	07/22/99	8,000	480	740	2,880	30,000	2,100	<0.5	<0.5	<0.5	<0.5	13.0	
	10/28/99	11,000	59	1,200	317	28,000	38,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	2,200	59	760	350	7,900	10,000	<0.5	<0.5	<0.5	<0.5	9.70	
	04/28/00	2,900	510	440	2,340	14,000	26,500	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/03/00	9,400	380	720	2,200	28,000	70,000	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	11,000	140	900	1,300	30,000	51,000	<0.5	<0.5	<0.5	<0.5	<12	
	01/31/01	4,600	57	550	1,200	34,000	88,500	<0.5	<0.5	<0.5	<0.5	44	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
V-55	04/26/01	6,400	61.5	250	336	34,200	227,000	<0.5	<0.5	<0.5	<0.5	<25	
	10/30/01	5,360	70.0	1,090	1,450	32,700	78,000	<0.5	<0.5	<0.5	<0.5	<25	
V-72	07/26/99	13,500	6.80	1.10	3.90	3,900	12,900	<0.5	11	<0.5	<0.5	<0.5	
	10/28/99	2,900	58	21	47.7	6,000	48,000	<0.5	3.4	--	<0.5	--	
	02/09/00	670	8.2	<0.5	17.8	890	6,100	<0.5	3.0	<0.5	<0.5	<0.5	
	04/28/00	130	<0.5	<0.5	<0.5	200	5,950	<0.5	0.7	<0.5	<0.5	<0.5	
	08/04/00	460	0.8	<0.5	0.6	440	4,120	<0.5	2.8	<0.5	<0.5	<0.5	
	10/24/00	2,700	3.2	0.5	2.3	3,500	17,000	<0.5	4.0	<0.5	<0.5	<0.5	
	04/27/01	1,240	2.05	<0.5	2.78	1,310	6,290	<0.5	5.1	<0.5	<0.5	<0.5	S
	07/30/01	1,790	69.8	1.22	2.50	1,490	4,290	<0.5	6.2	<0.5	<0.5	<0.5	nn
	10/29/01	1,330	4.38	0.55	3.32	1,960	--	<0.5	5.6	<0.5	<0.5	<0.5	oo
V-84	07/26/99	2,400	440	80.0	340	8,700	2,350	<0.5	2.4	<0.5	<0.5	6.40	
	10/26/99	1,100	130	46	108	4,000	700	<0.5	<0.5	--	<0.5	--	
	02/09/00	300	30	8.9	53	2,300	1,100	<0.5	1.2	<0.5	<0.5	<0.5	
	04/28/00	30	1.9	<0.5	<0.5	100	550	<5.0	<5.0	<5.0	<5.0	<0.5	
	08/04/00	900	110	34	120	2,700	1,380	<0.5	1.0	<0.5	<0.5	<0.5	
	10/24/00	2,000	480	24	110	48,000	1,900	<0.5	1.0	<0.5	<0.5	<0.5	
	01/31/01	68	1.3	5.3	8.2	970	1,820	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	925	97.0	45.4	59.7	2,360	1,180	<0.5	0.8	<0.5	<0.5	<0.5	
	07/30/01	1,720	282	50	359	8,100	7,040	<0.5	1.5	<0.5	<0.5	<0.5	
	10/30/01	870	250	27.6	167	8,960	--	<0.5	1.0	<0.5	<0.5	<0.5	
29 (CC-1)	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/28/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/03/00	1.4	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/30/01	1.12	0.56	<0.5	<0.5	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
30 (CC-2)	07/22/99	0.90	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/28/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	<0.5	0.7	<0.5	<0.5	<0.5	
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	340	<0.5	0.9	<0.5	<0.5	<2.5	
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/30/01	<0.5	1.43	<0.5	1.63	<200	<250	<0.5	1.6	<0.5	<0.5	<0.5	qq
	10/29/01	<0.5	<0.5	<1.0	<0.5	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	
81	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/22/99	0.70	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
94	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	170	--	--	--	--	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
210	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	960	--	--	--	--	<0.5	
223	10/26/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/10/00	<0.5	<0.5	<0.5	<0.5	<50	640	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/00	<0.5	<0.5	<0.5	<0.5	<100	250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	680	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	1.30	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	A
	01/31/01	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<200	390	<0.5	<0.5	<0.5	<0.5	<0.5	N
	07/30/01	<0.5	<0.5	<0.5	<0.5	<200	<250	<0.5	<0.5	<0.5	<0.5	<0.5	X
	10/30/01	<0.5	<0.5	<0.5	<1.0	<200	<500	<0.5	<0.5	<0.5	<0.5	<0.5	Y
224	07/26/99	<0.5	<0.5	<0.5	<0.5	<50	640	<0.5	<0.5	<0.5	<0.5	<0.5	
239	07/26/99	55,000	85.0	1,500	190	30,000	--	<0.5	<0.5	<0.5	<0.5	5.30	
	10/26/99	23,000	53	1,500	103.2	28,000	10,000	<0.5	<0.5	--	<0.5	--	
	02/10/00	40,000	48	1,900	52	44,000	21,000	<0.5	1.0	<0.5	<0.5	14.0	
	04/28/00	25,000	540	2,000	710	36,000	12,500	<5.0	<5.0	<5.0	<5.0	<5.0	

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
239	08/04/00	25,000	220	1,900	920	45,000	32,500	<0.5	0.6	<0.5	<0.5	<0.5	
	10/24/00	24,000	100	1,500	390	50,000	50,000	<0.5	<0.5	<0.5	<0.5	<5.0	
	01/31/01	23,000	84	1,900	200	52,000	112,000	<0.5	0.9	<0.5	<0.5	<0.5	
	04/26/01	23,900	113	1,990	590	298,000	143,000	<0.5	<0.5	<0.5	<0.5	<25	
	07/30/01	30,200	384	2,000	966	66,500	19,100	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/30/01	41,200	273	1,470	215	54,300	120,000	<0.5	<0.5	<0.5	<0.5	<50	
241	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
249	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	

Notes:

a. Non-diesel peak reported.
b. No diesel pattern detected; result due to high gasoline concentration.
c. Bromodichloromethane detected, 0.84 µg/L.
d. 8 other volatiles detected by 8260.
e. cis-1,2-DCE detected, 0.7 µg/L.
f. cis-1,2-DCE detected, 0.8 µg/L.
g. Values for benzene and ethylbenzene are estimated.
h. 1,1-DCE detected, 0.9 µg/L.
i. 1,1-DCE detected, 1.6 µg/L.
j. 1,1-DCE detected, 1.4 µg/L.
k. 1,1-Dichloroethene detected at 2.3 µg/L.
l. cis-1,2-Dichloroethene detected at 2.3 µg/L.
m. Methylene chloride detected at 7.9 µg/L.
n. Methylene chloride detected at 6.2 µg/L.
o. Methylene chloride detected at 2.5 µg/L.
p. Methylene chloride detected at 1.4 µg/L.
q. 1,1-Dichloroethene detected at 3.1 µg/L.
r. Methylene chloride detected at 0.8 µg/L.
s. 1,1-Dichloroethene detected at 9.6 µg/L.
t. 1,1-Dichloroethene detected at 4.2 µg/L.
u. 1,1-Dichloroethene detected at 5.2 µg/L.
v. 1,1-Dichloroethene detected at 6.0 µg/L.
w. 1,1-Dichloroethene detected at 2.6 µg/L.

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes

x. Chloroethane detected at 6.0 µg/L.
y. Chloroethane detected at 5.3 µg/L.
z. Methylene chloride detected at 2.3 µg/L.
A. Chlorobenzene detected at 0.9 µg/L.
B. 1,1-Dichloroethene detected at 3.5 µg/L.
C. 1,1-Dichloroethene detected at 14 µg/L.
D. 1,1-Dichloroethene detected at 6.5 µg/L.
E. 1,1-Dichloroethene detected at 13 µg/L.
F. Chloroethane detected at 2.8 µg/L.
G. Methylene chloride detected at 1.7 µg/L.
H. Chloroethane detected at 1.7 µg/L.
I. Methylene chloride detected at 0.9 µg/L.
J. Chloroethane detected at 2.4 µg/L.
K. Methylene chloride detected at 0.6 µg/L.
L. 1,1-Dichloroethene detected at 6.0 µg/L.
M. 1,1-Dichloroethene detected at 12 µg/L.
N. 1,2-Dichlorobenzene detected at 0.5 µg/L.
O. Chloroethane detected at 4.6 µg/L.
P. Chloroethane detected at 3.0 µg/L.
Q. Chloroethane detected at 1.7 µg/L; methylene chloride detected at 1.1 µg/L.
R. Chloroethane detected at 1.5 µg/L.
S. Dichlorodifluoromethane detected at 0.8 µg/L.
T. Chloromethane detected at 3.3 µg/L.
U. 1,1-Dichloroethene detected at 13 µg/L.
V. 1,1-Dichloroethene detected at 14 µg/L.
W. Chloroethane detected at 1.3 µg/L.
X. Dichlorodifluoromethane detected at 0.5 µg/L.
Y. Chloromethane detected at 0.8 µg/L.
Z. Chloromethane detected at 2.2 µg/L.
aa. Chloroethane detected at 22 µg/L.
bb. Methylene chloride detected at 2.6 µg/L.
cc. Chloroethane detected at 7.4 µg/L.
dd. Methylene chloride detected at 2.0 µg/L.
ee. Chloroethane detected at 3.0 µg/L.
ff. Methylene chloride detected at 0.9 µg/L.

TABLE 2 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes

gg. Chloromethane detected at 13 µg/L.
hh. Chloroethane detected at 46 µg/L.
ii. Methylene chloride detected at 0.6 µg/L.
jj. Chloromethane detected at 0.6 µg/L.
kk. Chloroethane detected at 4.0 µg/L.
ll. Methylene chloride detected at 0.7 µg/L.
mm. Dichlorodifluoromethane detected at 0.6 µg/L.
nn. Chloromethane detected at 1.5 µg/L.
oo. Chloromethane detected at 1.1 µg/L.
pp. Chloromethane detected at 1.3 µg/L.
qq. Dichlorodifluoromethane detected at 2.8 µg/L.
rr. Chloromethane detected at 0.8 µg/L.
ss. 1,1-Dichloroethene detected at 4.6 µg/L.
tt. Chloromethane detected at 0.5 µg/L.
uu. 1,1-Dichloroethene detected at 1.8 µg/L.
vv. Chloromethane detected at 0.6 µg/L.
ww. Chloroethane detected at 11 µg/L.
xx. Methylene chloride detected at 0.5 µg/L.
yy. Chloroethane detected at 6.0 µg/L.

ND	Not detected.
--	Not analyzed or not sampled.
µg/L	Micrograms per liter.
TPH-g	Total Petroleum Hydrocarbons as gasoline.
TPH-d	Total Petroleum Hydrocarbons as diesel.
1,1-DCA	1,1-Dichloroethane.
1,2-DCA	1,2-Dichloroethane.
1,1-DCE	1,1-Dichloroethene.
1,1,1-TCA	1,1,1-Trichloroethane.
c 1,2-DCE	cis 1,2-Dichloroethylene.
TCE	Trichloroethene.
MTBE	Methyl t-butyl ether.

Nestle/Oakland
Survey of hydrocarbon vapor levels, %LEL, and $\%O_2$ in selected wells
07-Jun-01

Well ID	Purge/No Purge	Sample Location	Screened Interval (ft. bgs)	*GasTech Data* PPM	% LEL	% O_2
MW32	No Purge	At capped well head	3.6 to 23.3	120	0.0	18.6
	No Purge	7 ft bgs - well uncapped		0	0.0	9.2
	Purge	At capped well head		240	0.0	11.9
No. 223	No Purge	At capped well head	5.5 to 15.0	80	0.0	18.1
	No Purge	7 ft bgs - well uncapped		0	0.0	0.7
	Purge	At capped well head		20	0.0	19.5
PR48	Purge	At capped well head	5.0 to 15.0	5840	11.0	1.9
PR53	Purge	At capped well head	5.0 to 15.0	>10,000	62.0	4.5
V8	No Purge	7 ft bgs - well uncapped	4.8 to 5.2	280	0.0	10.8
V21	No Purge	7 ft bgs - well uncapped	0.4 to 5.0	120	0.0	9.4
PR64	No Purge	7 ft bgs - well uncapped	5.0 to 15.0	>10,000	55.0	9.4
PR61	No Purge	7 ft bgs - well uncapped	5.0 to 15.0	>10,000	65.0	5.8
PR60	No Purge	7 ft bgs - well uncapped	5.0 to 15.0	80	0.0	19.8
MW6	No Purge	7 ft bgs - well uncapped		220	0.0	18.7
	Purge	At capped well head	7.0 to 17.0	40	0.0	20.9
PR65	No Purge	7 ft bgs - well uncapped	5.0 to 15.0	200	0.0	4.2
No. 239	No Purge	7 ft bgs - well uncapped	5.3 to 14.5	240	0.0	8.5
	Purge	At capped well head		0	0.0	20.9
1" hole drilled through asphalt cap (adj to SB12)	No Purge	~8" bgs	NA	440	1.0	20.1

Above data collected during in-field sampling using GasTech GT201 Fuel Vapor Monitor
bgs = below ground surface
G \Projects\Nestle Oakland\PUBLIC\CSCR900\[Vapor_survey_0601.xls]Sheet1

Table 3: Survey of hydrocarbon vapor levels, %LEL, and $\%O_2$ in selected wells

TABLE 4

NESTLE/OAKLAND

WELLS SAMPLED AS PART OF ONGOING QUARTERLY MONITORING PLAN

Well Type	Well Name	Casing Diameter (in.)	Total Casing Depth (ft. bgs)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Length of Screened Interval (ft.)	Screen Slot Size (in.)	Filter Pack Type	Seal Type	Seal Top Depth (ft. bgs)	Seal Base Depth (ft. bgs)
Groundwater Monitoring Well	MW3	4.0	25.0	7.0	25.0	18.0	0.030	#3 Sand	Bentonite	4.0	5.0
Groundwater Monitoring Well	MW6	4.0	17.0	7.0	17.0	10.0	0.030	#3 Sand	Bentonite	4.0	5.0
Groundwater Monitoring Well	MW25	4.0	22.5	7.5	22.5	15.0	0.020	#2/16 Sand	Bentonite	5.0	6.5
Groundwater Monitoring Well	MW26	4.0	25.0	10.0	25.0	15.0	0.020	#2/16 Sand	Bentonite	7.5	9.0
Groundwater Monitoring Well	MW27	4.0	24.5	9.0	24.0	15.0	0.020	#2/16 Sand	Bentonite	6.5	8.0
Groundwater Monitoring Well	MW28	4.0	27.0	9.0	27.0	18.0	0.020	#2/16 Sand	Bentonite	6.5	8.0
Groundwater Monitoring Well	MW29	4.0	25.0	9.0	25.0	16.0	0.020	#2/16 Sand	Bentonite	6.5	8.0
Groundwater Monitoring Well	MW30*	2.0	15.6	5.8	15.6	9.9	NR	NR	NR	NR	NR
Groundwater Monitoring Well	MW32*	4.0	23.3	3.6	23.3	19.7	NR	NR	NR	NR	NR
Groundwater Monitoring Well	MW33*	4.0	25.0	2.8	25.0	22.2	NR	NR	NR	NR	NR
Groundwater Monitoring Well	MW100	2.0	15.0	5.0	15.0	10.0	0.010	#2/12 Sand	Bentonite	2.0	4.0
Product Recovery Well	PR45	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR52	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR53	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR54	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR64	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
"Numbered" Well	CC1*	2.0	11.4	7.5	11.4	3.9	NR	NR	NR	NR	NR
"Numbered" Well	CC2*	2.0	12.1	7.3	12.1	4.8	NR	NR	NR	NR	NR
"Numbered" Well	223*	2.0	15.0	5.5	15.0	9.5	NR	NR	NR	NR	NR
"Numbered" Well	239*	2.0	14.5	5.3	14.5	9.3	NR	NR	NR	NR	NR
Vapor Well	V55*	4.0	8.5	0.7	8.5	7.8	NR	NR	NR	NR	NR
Vapor Well	V72	4.0	11.6	2.2	11.6	9.5	NR	NR	NR	NR	NR
Vapor Well	V84*	4.0	10.8	1.2	10.8	9.6	NR	NR	NR	NR	NR

NR = Not Reported

* = Data from 08/28/00 video logging

TABLE 5 GROUNDWATER ANALYTICAL RESULTS,
NESTLE FACILITY, OAKLAND, CALIFORNIA, FEBRUARY AND APRIL 1999

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1-DCE	MTBE
MW-5	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	<150	<0.50	<0.50	<0.50	<0.50
MW-11	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	<150	--	--	--	<0.50
MW-12	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	<150	--	--	--	<0.50
MW-13	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	<150	--	--	--	<0.50
MW-15	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	430	<0.50	<0.50	<0.50	<0.50
MW-25	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	340	28	59	0.90	28
	04/07/99	<0.50	<0.50	<0.50	<0.50	<50	<250	27	72	1.6	27
MW-26	02/05/99	20	<0.50	0.60	0.80	230	230	10	51	<0.50	29
	04/07/99	<0.50	<0.50	<0.50	<0.50	80	<250	15	54	<0.50	25
MW-27	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	<150	<0.50	0.7	<0.50	<0.50
MW-28	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	<150	32	29	0.90	5.00
	04/07/99	<0.50	<0.50	<0.50	<0.50	<50	<250	<0.50	62	<0.50	4.5
MW-29	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	<150	<0.50	68	<0.50	8.50
	04/07/99	<0.50	<0.50	<0.50	<0.50	<50	<250	30	38	1.4	4.9
MW-30	04/07/99	<0.50	<0.50	<0.50	<0.50	<50	<250	--	--	--	<0.50
MW-33	04/07/99	0.60	<0.50	0.90	<0.50	<50	<250	--	--	--	<0.50
MW-?	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	430	--	--	--	<0.50
PR-76	04/07/99	<0.50	<0.50	<0.50	<0.50	<50	<250	--	--	--	<0.50
V-24	04/07/99	<0.50	<0.50	<0.50	<0.50	120	<250	--	--	--	0.50
V-46	02/05/99	<0.50	<0.50	<0.50	<0.50	<50	270	<0.50	<0.50	<0.50	<0.50