EA Engineering, Science, and Technology

3468 Mt. Diablo Boulevard
Suite B-100
Lafayette, CA 94549
Telephone: 510-283-7077
Fax: 510-283-3894

28 October 1996

Jennifer Eberle
Hazardous Materials Specialist
Alameda County Health Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

RE: Quarterly Groundwater Monitoring Report for the Nestle Oakland Facility at 1310 14th Street, Oakland, California

Dear Ms. Eberle:

Attached is the Third Quarter Groundwater Monitoring Report for the above-referenced site. If you have any questions I can be reached at (510) 283-7077.

Sincerely,

Douglas Oram
Project Manager

DEO/dah 60966.01.Q996

Enclosure
cc: Binayak Acharya

ENVIRONMENTAL PROTECTION
96 OCT 29 AM 9:29

EA Engineering, Science, and Technology

3468 Mt. Diablo Boulevard
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Telephone: 510-283-7077
Fax: 510-283-3894

28 October 1996

Mr. Binayak Acharya
Senior Environmental Engineer
Nestle USA, Inc.
800 North Brand Boulevard
Glendale, California 91203

RE: Quarterly Groundwater Monitoring Report for 1310 14th Street, Oakland, California

Dear Mr. Acharya:

Attached is the Third Quarter Groundwater Monitoring Report for the above-referenced site. Also attached is the information Jennifer brought with her to the site walk on 10 October. If you have any questions I can be reached at (510) 283-7077.

Sincerely,

Douglas Oram
Project Manager

DEO/dah 60966.01.Q996

Enclosure
cc: Jennifer Eberle

ENVIRONMENTAL
PROTECTION
96 OCT 29 AM 9:29

3rd Quarter
1996 Groundwater Monitoring Report
Nestle USA, Inc.
Former Carnation Dairy Facility
1310 14th Street
Oakland, California

Prepared for

Nestle USA, Inc.

Prepared by

EA Engineering, Science, and Technology

October 1996

60966.01.0008

60966.01.0008

3rd Quarter
1996 Groundwater Monitoring Report
Nestle USA, Inc.
Former Carnation Dairy Facility
1310 14th Street
Oakland, California

Prepared for

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

Prepared by

EA Engineering, Science, and Technology
3468 Mt. Diablo Boulevard, Suite B-100
Lafayette, California 94549
(510) 283-7077

Douglas E. Oram, Ph.D.
Project Manager

10/28/96
Date

James Brownell, R.G. #5078
Senior Geologist

10/28/96
Date

October 1996

CONTENTS

1. INTRODUCTION

Nestle USA, Inc. (Nestle) has retained EA Engineering, Science, and Technology (EA) to provide environmental services for the former Carnation Dairy facility at 1310 14th Street, Oakland, California (Figure 1). EA has prepared this report of quarterly groundwater sampling and analysis for the third quarter of 1996. Additional field activities carried out in the third quarter of 1996 are summarized below.

Passive skimmers were installed in wells E0, PR20, PR21, and PR64 on 16 July 1996. Due to low water levels, the passive skimmer located in well PR21 was moved to well PR34. Starting on 16 July, NAPL was gauged and recovered on a 1–2 week basis. Figure 2 shows the location of wells monitored for NAPL. Wells that contained more than 0.05 feet were bailed. Each well from which NAPL was removed was gauged again 24 hours later to determine the thickness of NAPL recharged to it.

A set of wells separate from the NAPL monitoring wells is used to monitor the dissolved-phase plume. On 29 August 1996, 10 groundwater monitoring wells (MW-2, MW-3, MW-6, MW-25–MW-30, and MW-32) were gauged with an optical oil/water interface probe to check for NAPL and determine the groundwater gradient. Groundwater from wells MW-2, MW-3, MW-6, MW-25, MW-26, MW-28–MW-30, and MW-32 were sampled for hydrocarbons. The samples from two wells (MW-26 and MW-32) were also analyzed for halogenated volatile organics (HVOCs).

2. FIELD PROCEDURES

2.1 NAPL Gauging and Recovery

On 8-30-96 (see p. 2)

A total of 39 wells (Figure 3) were gauged with an interface probe to determine the thickness of NAPL. After gauging, a semi-rigid tube was inserted into each well at the estimated NAPL level. The NAPL was collected with a peristaltic pump and the volume was recorded. Approximately 6 gallons of NAPL was removed from 17 wells on 30 August that contained more than 0.05 feet of NAPL . The NAPL was temporarily stored in 55-gallon drums with secondary containment to await proper disposal. After the NAPL was removed, the wells that were bailed (those that contained more than 0.05 feet of NAPL) were monitored after half an hour and again 24 hours later to determine the thickness of NAPL that recharged into the well.

2.2 Purging and Sampling of Groundwater

Before groundwater was sampled, at least three well casing volumes of water were removed from each well, using a dedicated 2-inch PVC pipe attached to a vacuum truck. The temperature, pH, and electrical conductance of the purged water were recorded at approximately each well casing volume as the well was purged. When the parameters were stable (less than 10 percent change from the previous reading for temperature, pH, and electrical conductance), purging was stopped. Groundwater samples were collected from each well with factory-cleaned disposable polyethylene bailers. The samples were poured into 40-ml glass VOA vials and 1-liter glass amber jars and placed in an ice-filled cooler. A field-prepared sampling equipment rinse blank

was stored and transported in the cooler with the samples. All samples were handled and transported under chain of custody.

The samples were submitted to the Nestle Quality Assurance Laboratory (NQAL), where they were analyzed for gasoline-range organics (GRO) and diesel-range organics (DRO) by the California DOHS method described in the October 1989 LUFT Field Manual. Samples were also analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020, and groundwater samples collected from MW-26 and MW-32 were also analyzed for HVOCs, by EPA Method 8010.

3. SUMMARY OF RESULTS

3.1 NAPL Monitoring and Removal

Twenty-one of the wells monitored for the presence of NAPL on 30 August contained NAPL (Figure 3), ranging in thickness from 0.01 feet (E-5) to 1.47 feet (PR-58) (Table 1). NAPL was removed from 17 wells (with greater than 0.05 feet of NAPL) on 30 August (Table 1). The field documents for the NAPL measurements are included in Appendix A. The cumulative amounts of NAPL bailed from all wells from 6 December 1995 to 18 September 1996 are shown in Figure 4.

3.2 Depth to Groundwater Measurements

On 29 August 1996, the depth to groundwater was measured in selected monitoring wells (MW-2, MW-3, MW-6, MW-25–MW-30, and MW-32). Groundwater elevations ranged from 4.15 (MW-28) to 5.54 (MW-32) feet above mean sea level (Table 2). Groundwater elevations have decreased an average of 1.4 feet since groundwater was measured on 21 June 1996. A groundwater elevation contour map for 29 August 1996 is shown in Figure 5. The direction of groundwater flow is toward the north-northwest, at a gradient of 0.002 feet per foot. Field documentation is provided in Appendix A.

3.3 Analysis of Samples

Laboratory test results for GRO, DRO, BTEX, and HVOC analyses of groundwater samples collected on 29 August 1996 are reported in Table 3, along with the results of previous quarterly sampling events since March 1993. The laboratory analytical report for 29 August 1996 is included as Appendix B.

The concentration of benzene in groundwater samples is shown in Figure 6. Benzene was detected in groundwater samples collected from MW-3 (420 μg/L), MW-26 (8,500 μg/L), and MW-32 (150 μg/L). The concentration of GRO in groundwater samples is shown in Figure 7. GRO concentrations ranged from 90 μg/L (MW-25) to 19,000 μg/L (MW-26). 1,2-Dichloroethane was detected in MW-26 and MW-32 at concentrations of 160 μg/L and 27 μg/L, respectively.

4. WORK PROPOSED FOR THE NEXT QUARTER

Wells MW-3, MW-26, and MW-28 will be sampled in November 1996, and in following quarters. ok Wells MW-2, MW-6, MW-25, MW-29; MW-30, and MW-32 will be sampled in the first quarter 1997 and will continue to be sampled on a semi-annual basis. ok Well MW-27 will be resampled in the first quarter 1997 ok All samples will be analyzed for BTEX, DRO, and GRO, and samples from wells MW-26, MW-28 and MW-32 will also be analyzed for HVOCs.

as per my ltr 4-9-96

V MW 27

Figures

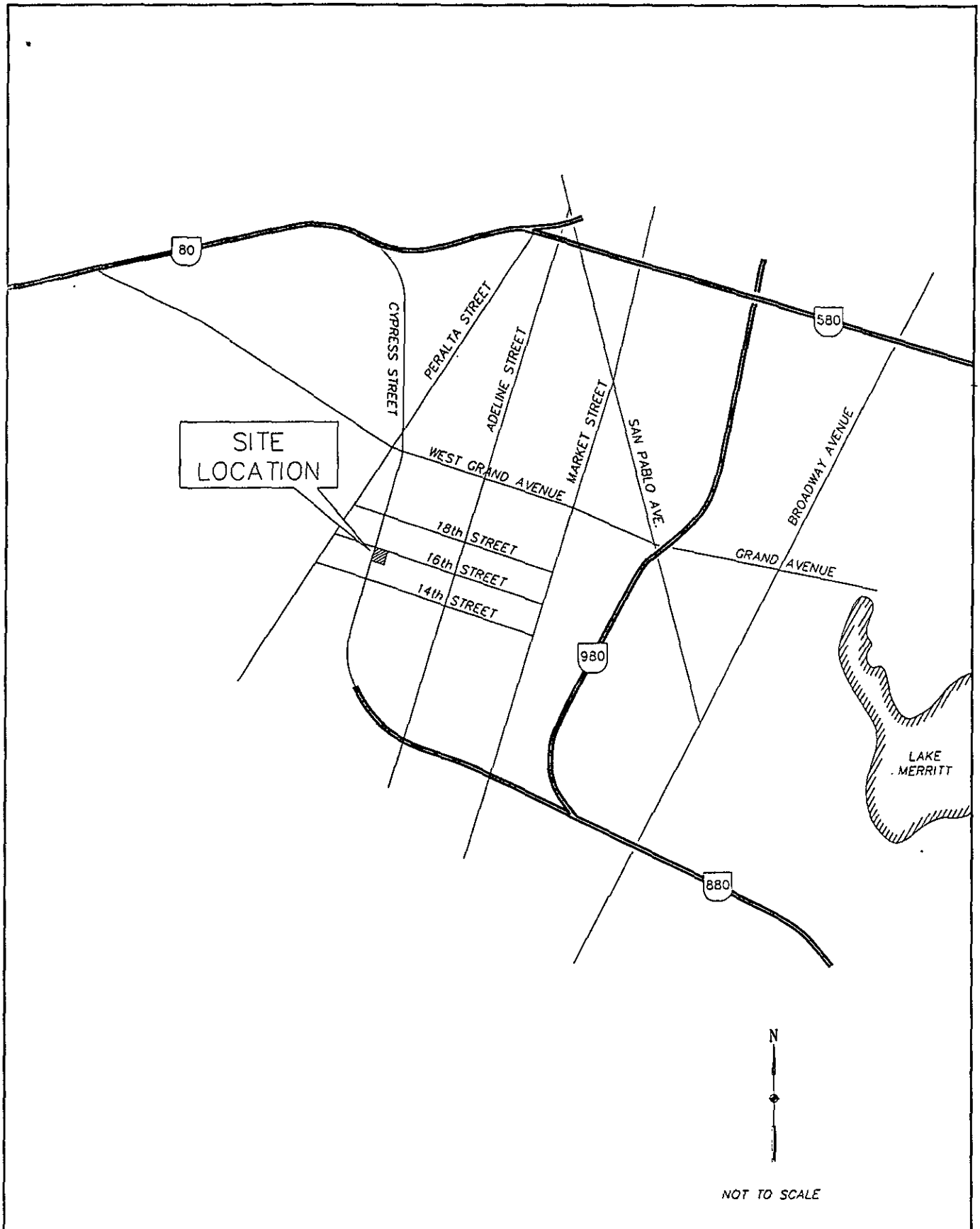


FIGURE 1.
SITE LOCATION MAP
NESTLE FACILITY, 1310 14th STREET,
OAKLAND, CALIFORNIA.

EA® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO.	DATE
60966.01.0008	2/8/96
FILE NAME: LOCATION.DWG	REVIEWED BY: A. MOORE

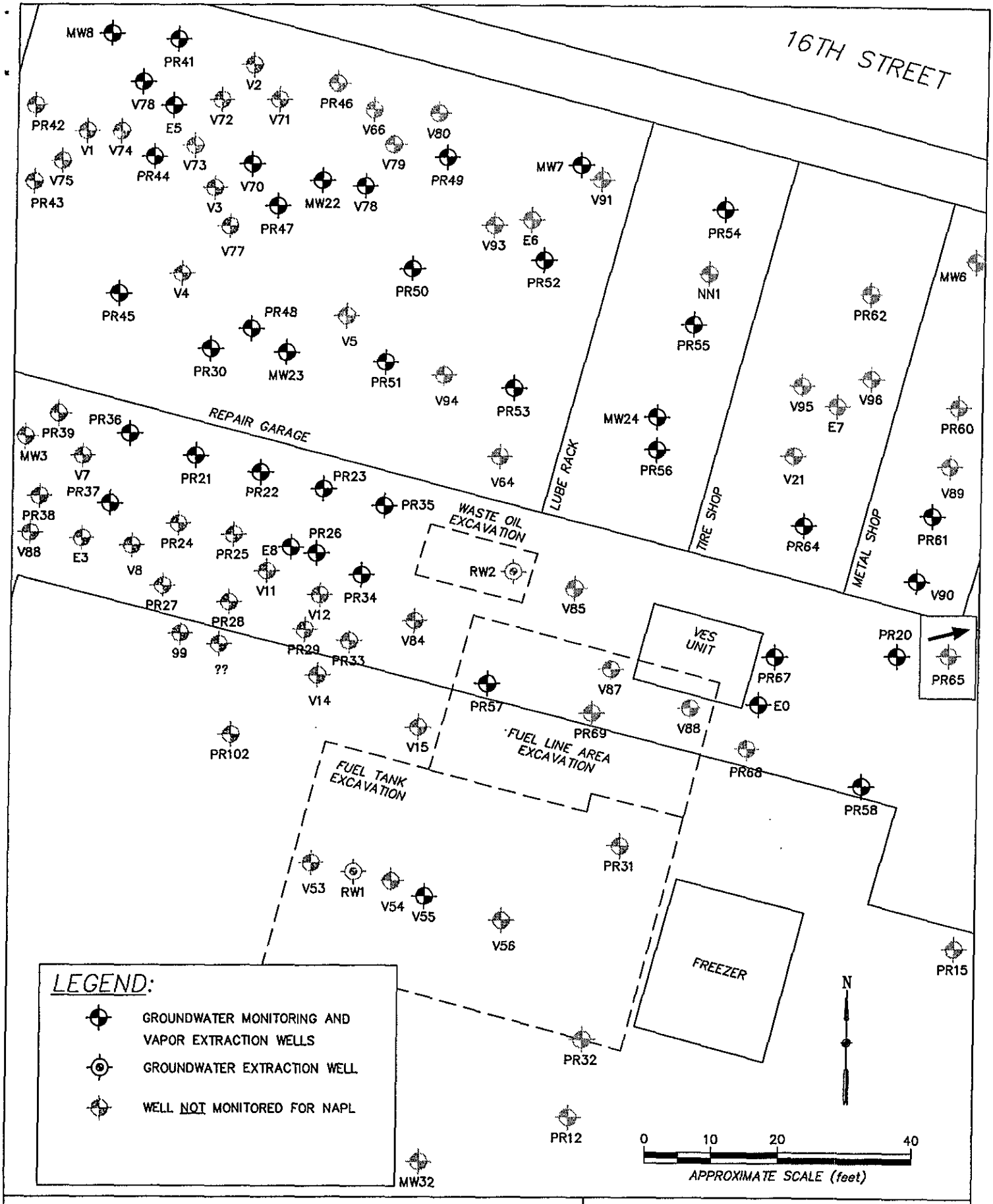


FIGURE 2.
LOCATION OF WELLS MONITORED FOR NAPL,
NESTLE FACILITY, OAKLAND, CALIFORNIA
30 AUGUST 1996

EA® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO.: 60966.01.0008	DATE: 5/22/96
FILE NAME: NESTLE5E.DWG	REVIEWED BY: C. MARTING

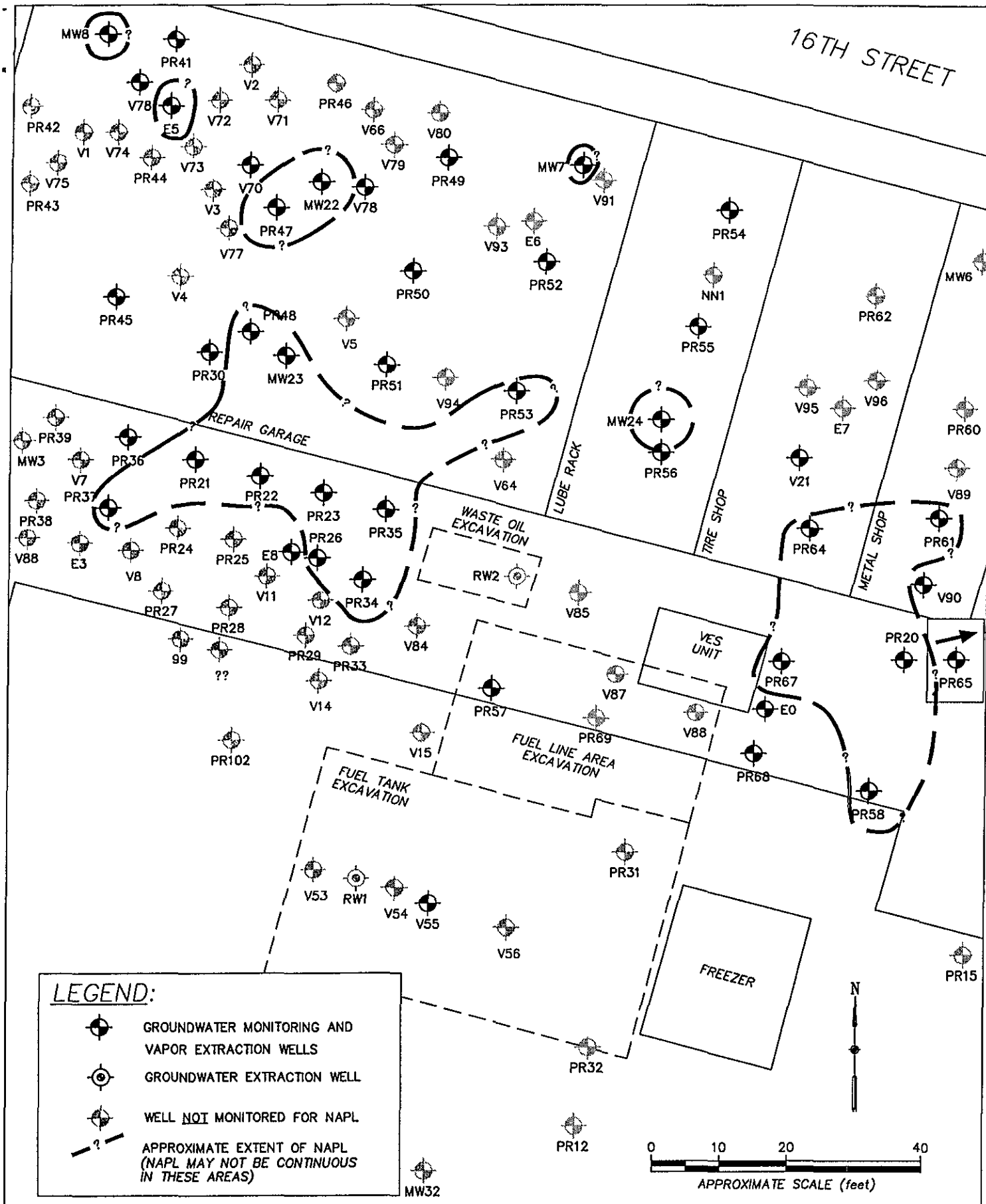


FIGURE 3.
SITE PLAN SHOWING CONTOURS AROUND WELLS CONTAINING FREE PRODUCT AUGUST 30, 1996
FORMER NESTLE FACILITY,
OAKLAND, CALIFORNIA

EA® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO: 60966.01.0008	DATE: 7/16/96
FILE NAME: NESTLE6B.DWG	REVIEWED BY: C. MARTING

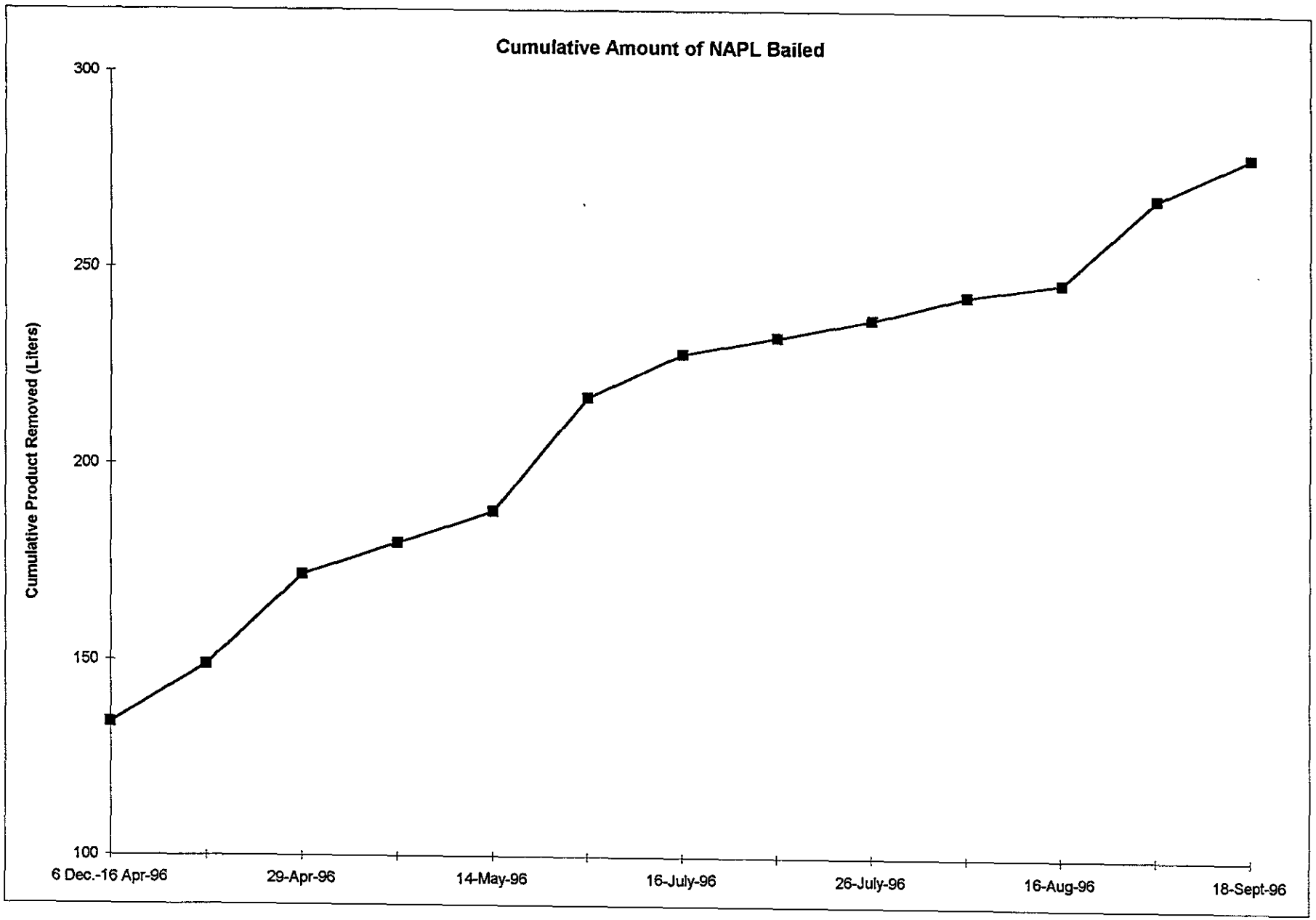


FIGURE 4. CUMULATIVE AMOUNTS OF NAPL BAILED FROM WELLS AT NESTLE SITE, OAKLAND, CALIFORNIA, 6-DEC-95 TO 18-SEPT-96.

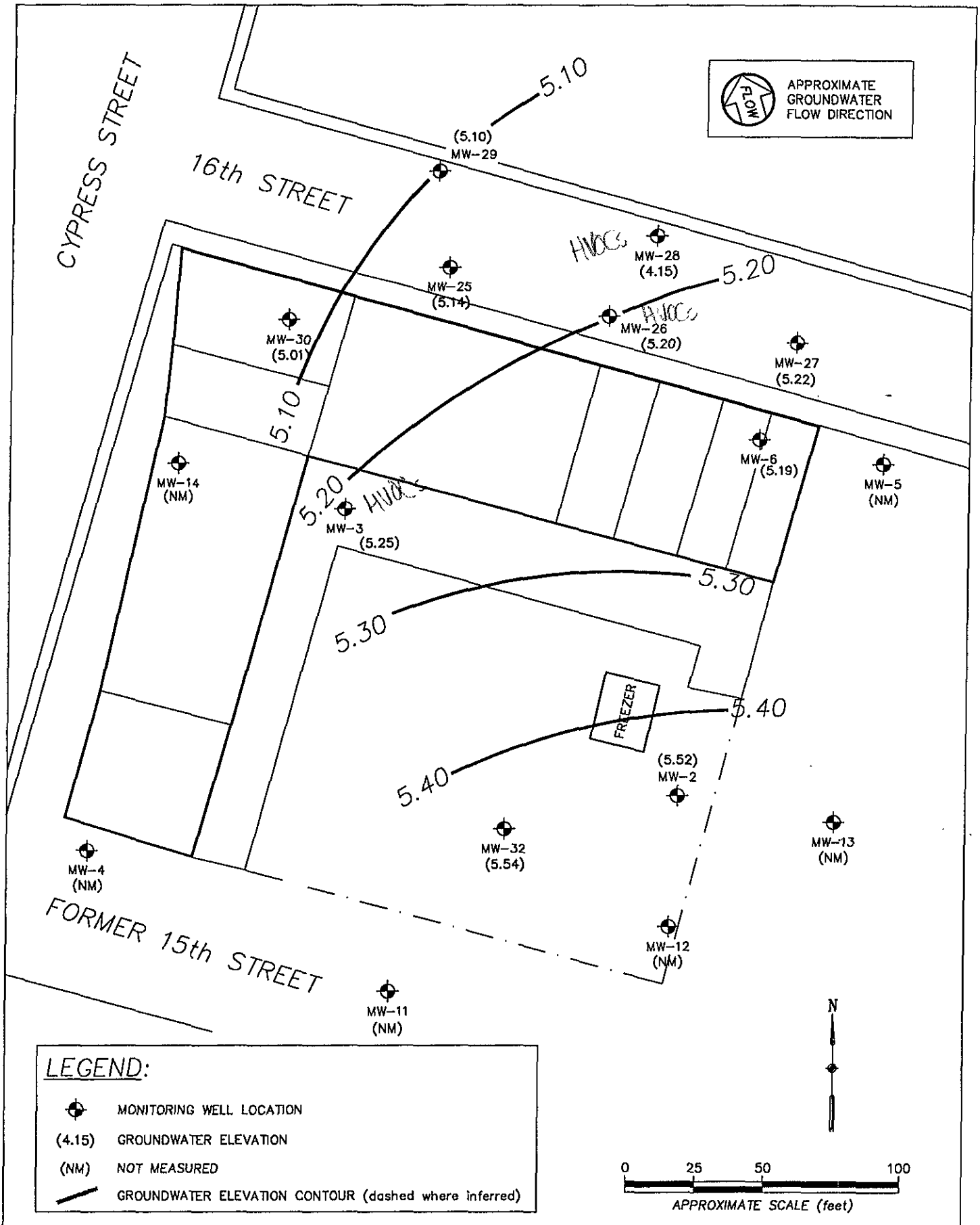
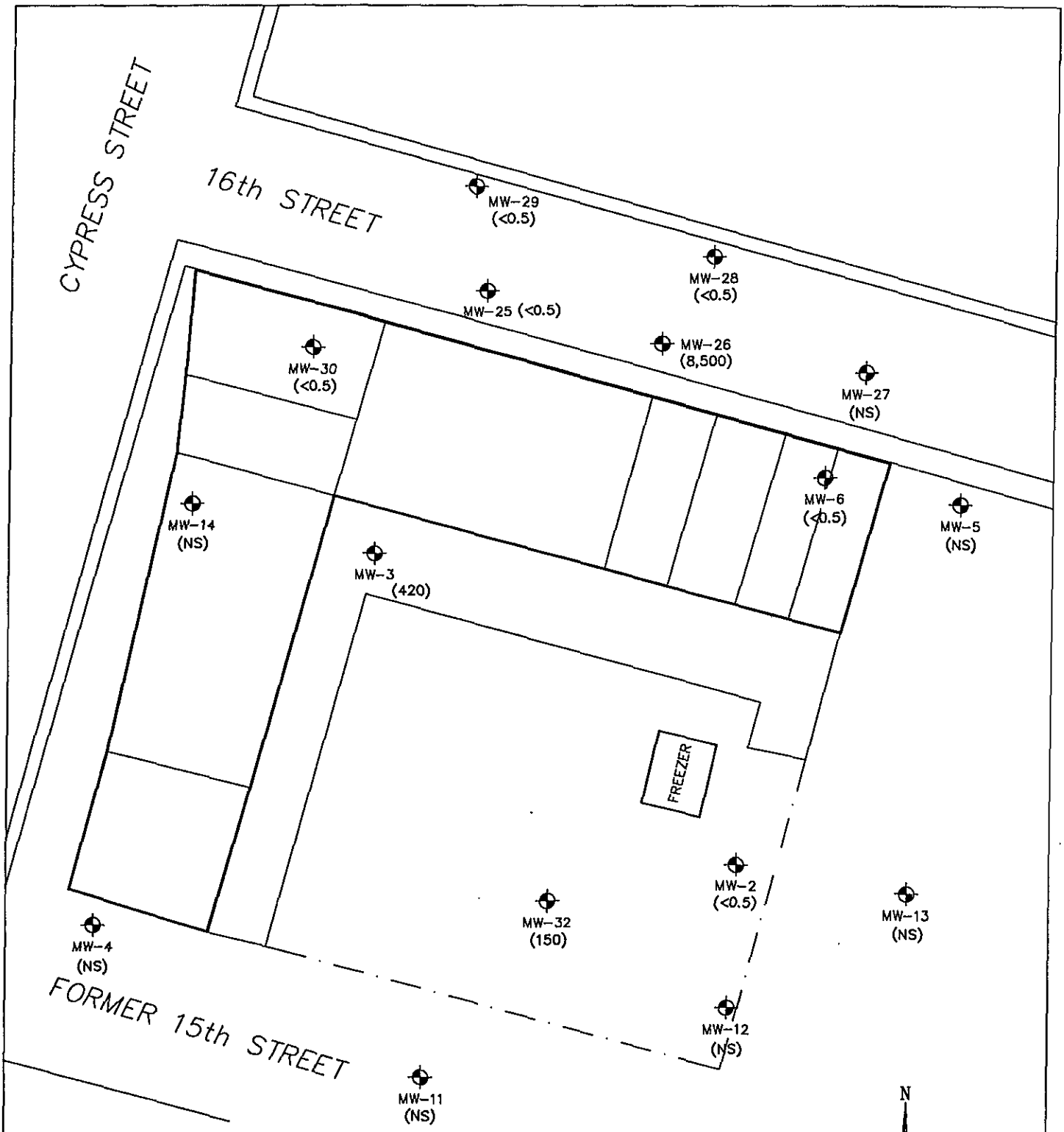


FIGURE 5.
GROUNDWATER ELEVATIONS IN WELLS
SAMPLED FOR DISSOLVED HYDROCARBONS
NESTLE FACILITY, OAKLAND, CALIFORNIA
29 AUGUST 1996

EA® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO: 60966.01.0008	DATE: 4/16/96
FILE NAME: GWELV.DWG	REVIEWED BY: C. MARTING



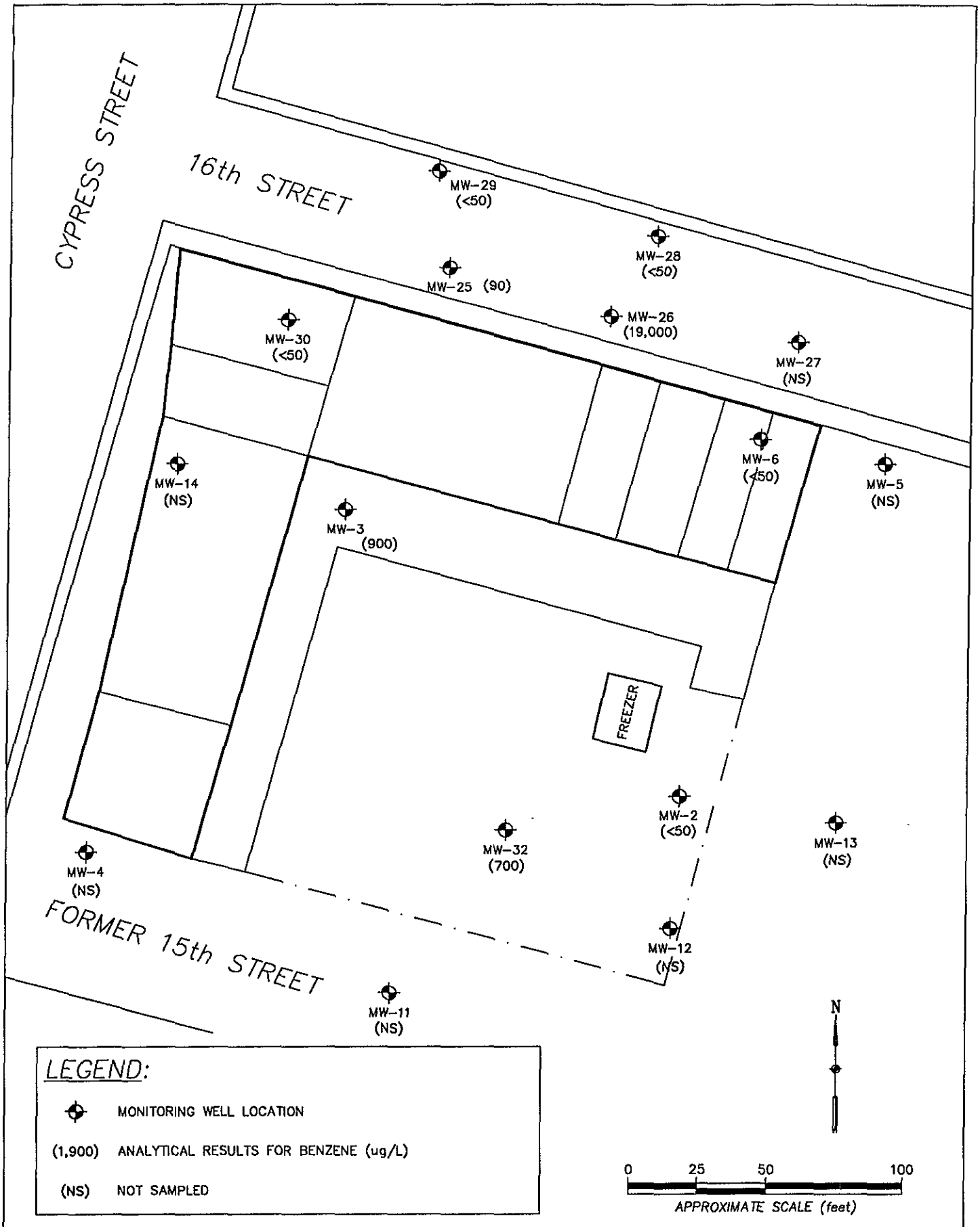
LEGEND:

- ⊕ MONITORING WELL LOCATION
- (940) ANALYTICAL RESULTS FOR BENZENE (ug/L)
- (NS) NOT SAMPLED

FIGURE 6.
GROUNDWATER SAMPLING
ANALYTICAL RESULTS FOR BENZENE (ug/L)
NESTLE FACILITY, OAKLAND, CALIFORNIA
29 AUGUST 1996

EA® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO:	DATE
60966.01.0008	4/16/96
FILE NAME: NESBENZ2.DWG	REVIEWED BY: C. MARTING



LEGEND:

- ⊕ MONITORING WELL LOCATION
- (1,900) ANALYTICAL RESULTS FOR BENZENE (ug/L)
- (NS) NOT SAMPLED

FIGURE 7.
GROUNDWATER SAMPLING
ANALYTICAL RESULTS FOR GRO (ug/L)
NESTLE FACILITY, OAKLAND, CALIFORNIA
29 AUGUST 1996

EA® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO.: 60966.01.0008	DATE: 4/16/96
FILE NAME: NESBENZ3.DWG	REVIEWED BY: C. MARTING

Tables

TABLE 1 PRODUCT THICKNESS (ft), FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA
NOVEMBER 1993 - SEPTEMBER 1996

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
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
E-1	--	--	--	--	--	--	--	--	--	--	0.27	--	--	*	--	--
E-5	--	--	--	--	--	--	--	--	--	--	1.50	0.27	0.03	0.10	0.01	0.04
E-6	--	--	--	--	--	--	--	--	0.08	--	<0.01	--	--	--	--	--
E-8	--	--	--	--	--	--	--	--	0.10	--	0.42	0.19	0.02	<0.01	<0.01	<0.01
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
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-30	--	--	--	2.81	1.21	1.97	<0.01	<0.01	--	Dry	Dry	Dry	--	Dry	Dry	Dry
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
PR-35	0.62	1.26	>3.0	1.70	0.12	0.13	0.85	0.91	0.84	0.73	0.40	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

-- Well not monitored.
* Well inaccessible.

TABLE 1 (continued)

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
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
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
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	--
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-70	--	--	1.59	--	--	--	--	--	--	--	--	--	--	*	--	--
V-8	--	--	--	--	--	--	--	--	0.01	--	<0.01	--	--	--	--	--
V-55	--	--	--	--	--	--	--	--	--	--	0.04	--	--	<0.01	<0.01	*
V-77	--	--	--	--	--	--	--	--	0.78	Dry	--	--	--	--	--	--
V-78	--	--	--	--	--	--	--	--	0.01	--	<0.01	<0.01	--	<0.01	<0.01	<0.01
V-90	--	1.41	--	0.94	0.16	1.68	0.02	0.02	Dry	Dry	<0.01	Dry	--	Dry	Dry	Dry
V-94	--	--	--	--	--	--	--	--	0.01	--	--	--	--	--	--	--

TABLE 2 GAUGING DATA FOR MONITORING WELLS AT THE FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA, FEBRUARY 1994 - AUGUST 1996

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-5	06/02/94	14.41	--	9.09	--	5.32
	08/31/94		--	9.95	--	4.46
	12/22/94		--	8.22	--	6.19
	03/13/95		--	--	--	--
	06/09/95		--	--	--	--
	09/22/95		--	--	--	--
	12/12/95		--	9.60	--	4.81
	03/12/96		--	6.46	--	7.95
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
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**
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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
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

TABLE 2 (continued)

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-8	09/22/95	14.20	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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
MW-9	06/02/94	14.96	--	9.46	--	5.50
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
MW-10	02/24/94	15.73	--	9.59	--	6.14
	03/18/94		--	--	--	--
	06/02/94		--	10.17	--	5.56
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
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
	03/13/95		--	--	--	--
	06/09/95		--	--	--	--
	09/22/95		--	--	--	--
	12/18/95		--	9.29	--	5.26
	03/12/96		--	5.95	--	8.60
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
MW-12	03/18/94	15.28	--	7.62	--	7.66
	12/18/95		--	10.03	--	5.25
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
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
	03/13/95		--	--	--	--

TABLE 2 (continued)

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-13	06/09/95	14.85	--	--	--	--
	09/22/95		--	--	--	--
	12/12/95		--	9.94	--	4.91
	12/18/95		--	9.60	--	5.25
	03/12/96		--	6.40	--	8.45
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
MW-14	02/24/94	14.10	--	dry	--	--
	03/18/94		--	dry	--	--
	12/06/95		--	dry	--	--
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
MW-15	12/06/95	14.17	--	dry	--	--
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
MW-16	12/06/95	14.11	--	dry	--	--
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
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
	09/22/95		9.35	10.06	0.71	4.42

TABLE 2 (continued)

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	12/06/95	14.48	--	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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
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**
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

TABLE 2 (continued)

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-26	09/22/95	12.71	--	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**
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
	12/22/94		--	--	--	--
	03/13/95		--	--	--	--
	06/09/95		--	--	--	--
	09/22/95		--	--	--	--
	12/12/95		--	9.30	--	4.74
	03/12/96					
	06/21/96		--	7.64	--	6.40
	08/29/96		**--**	**8.82**	**--**	**5.22**
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**
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

TABLE 2 (continued)

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-29	06/21/96	12.60	--	6.33	--	6.27
	08/29/96		**--**	**7.50**	**--**	**5.10**
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
	03/12/96		--	6.93	--	7.61
	06/21/96		--	8.23	--	6.31
	08/29/96		**--**	**9.53**	**--**	**5.01**
MW-31	06/02/94	14.92	--	9.42	--	5.50
	06/21/96		--	--	--	--
	08/29/96		**--**	**--**	**--**	**--**
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**

-- Product not present.

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA, 1993 - 1996

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-DCA	BDCM	1,1,1-TCA	TCE	Analysis Method
MW-2	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	11/05/93	--	--	--	--	--	--	--	--	--	--	--	1,2
	02/25/94	<1	<1	<1	<1	<100	<1,000	--	--	--	--	--	1,2
	06/03/94	<0.5	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	1,2
	08/31/94	<0.3	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	4,2
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50[a]	--	--	--	--	--	4,2
	03/13/95	0.8	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	1,2
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	09/21/95	0.7	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	1,2
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	4,2
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	--
	08/29/96	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<150**	--	--	--	--	--	1,2
MW-3	03/23/93	35	2.9	2	3.2	300	ND	--	--	--	--	--	1,2
	07/27/93	97	1	4	1.1	220	ND	--	--	--	--	--	1,2
	11/05/93	4.9	ND	ND	1.2	170	ND	--	--	--	--	--	1,2
	02/25/94	42	<1	<1	<1	100	<1,000	--	--	--	--	--	1,2
	06/03/94	120	8.2	8.4	4.5	320	<20,000	--	--	--	--	--	1,2
	08/31/94	83	1.1	5.3	2.9	<500	<500	--	--	--	--	--	4,2
	12/22/94	1,460	18	100	50	3,800	270	--	--	--	--	--	4,2
	03/13/95	3,600	260	270	280	14,000	1,700	--	--	--	--	--	1,2
	06/09/95	4,700	58	140	71	3,700	120	--	--	--	--	--	1,2
	09/21/95	9,800	58	600	95	14,000	300	--	--	--	--	--	1,2
	12/12/95	330	2.1	47	5.3	700	<50	--	--	--	--	--	4,2
	03/12/96	350	4.6	23	8.7	600	<50	--	--	--	--	--	1,2
	06/21/96	940	76	98	57	1,900	<50	--	--	--	--	--	1,2
	08/29/96	**420**	**29**	**44**	**28**	**900**	**<150**	--	--	--	--	--	1,2
MW-6	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	11/05/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2

TABLE 3 (continued)

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-DCA	BDCM	1,1,1-TCA	TCE	Analysis Method
MW-6	02/25/94	<1	<1	<1	3.5	<100	<1,000	--	--	--	--	--	1,2
	06/03/94	2.7	<0.5	<0.5	<0.5	69	<20,000	--	--	--	--	--	1,2
	08/31/94	<0.3	8.7	1.6	3.5	<500	<500	--	--	--	--	--	4,2
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50[a]	--	--	--	--	--	4,2
	03/13/95	1.2	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	1,2
	06/09/95	0.6	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	1,2
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	4,2
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	--
	08/29/96	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<150**	--	--	--	--	--	1,2
MW-25	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	11/05/93	4.2	4.4	2.5	20	170	ND	--	--	--	--	--	1,2
	02/25/94	2.1	<1	<1	<1	<100	<1,000	--	--	--	--	--	1,2
	06/03/94	2.4	14	<0.5	3.4	97	<20,000	--	--	--	--	--	1,2
	08/31/94	0.5	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	4,2
	12/22/94	0.5	<0.5	<0.5	<0.5	<50	<50[a]	--	--	--	--	--	4,2
	03/13/95	0.58	<0.5	<0.5	<0.5	150	950	--	--	--	--	--	1,2
	06/09/95	0.8	<0.5	<0.5	<0.5	<100	60	--	--	--	--	--	1,2
	09/21/95	<0.5	<0.5	<0.5	<0.5	50	<50	--	--	--	--	--	1,2
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	4,2
	03/12/96	<0.5	<0.5	<0.5	<0.5	120	<50	--	--	--	--	--	1,2
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	--
	08/29/96	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**90**	**<150**	--	--	--	--	--	1,2
MW-26	03/23/93	180	190	55	330	7,000	1,300	ND	ND	ND	ND	ND	1,2,3
	07/27/93	470	96	30	80	1,800	ND	140	ND	ND	ND	ND	1,2,3
	11/05/93	4,700	1,300	9	1,400	19,000	ND	120	ND	ND	ND	ND	1,2,3
	02/25/94	4,800	570	200	860	14,000	<1,000	28	<1	<1	<1	<1	1,2,3
	06/03/94	4,100	300	120	230	12,000	<20,000	140	1.7	0.84	<0.5	<0.5	1,2,3
	08/31/94	4,100	360	170	450	93,000	1,400	<4.0	<4.0	<4.0	<4.0	<4.0	4,2,7
	12/22/94	1,030	170	85	290	5,000	560	<2.0	<2.0	<2.0	<2.0	<2.0	4,2,7

TABLE 3 (continued)

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-DCA	BDCM	1,1,1-TCA	TCE	Analysis Method
MW-26	03/13/95	320	19	23	66	3,000	810	5.8	53	<0.5	<0.5	<0.5	1,2,9
	06/09/95	14,000	64	31	230	10,800	310	3.1	240	<0.5	1	<0.5	1,2,3
	09/21/95	1,900	160	160	330	8,000	200	120	1.3	<0.5	<0.5	<0.5	1,2,3
	12/12/95	13,000	38	36	120	25,000	0.6[b]	180	1.4	<0.5	<0.5	<0.5	4,2,3
	03/12/96	9,000	33	30	65	4,400	<50	180	<0.5	<0.5	<0.5	<0.5	1,2,3
	06/21/96	14,000	27	16	66	54,00	<50	170	3.2	<0.5	<0.5	<0.5	1,2,3
	08/29/96	**8,500**	**26**	**28**	**74**	**19,000**	**<150**	**160**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1,2,3**
MW-27	06/21/96	<0.5	<0.5	<0.5	<0.5	<50	<50	6.8	<0.5	<0.5	<0.5	<0.5	1,2,3
	08/29/96	--	--	--	--	--	--	--	--	--	--	--	--
MW-28	03/23/93	ND	ND	ND	ND	110	ND	--	--	--	--	--	1,2
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	11/05/93	ND	ND	ND	2.1	ND	ND	--	--	--	--	--	1,2
	02/25/94	<1	<1	<1	<1	<100	<1	--	--	--	--	--	1,2
	06/03/94	3.1	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	1,2
	08/31/94	1.4	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	4,2
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50[a]	--	--	--	--	--	4,2
	03/13/95	0.91	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	1,2
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	1,2
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	4,2
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	06/21/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	08/29/96	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<150**	--	--	--	--	--	1,2
MW-29	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	11/05/93	ND	ND	2.1	11	ND	ND	--	--	--	--	--	1,2
	02/25/94	<1	<1	<1	<1	<100	<1,000	--	--	--	--	--	1,2
	06/03/94	<0.5	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	1,2
	08/31/94	<0.3	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	4,2
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50[a]	--	--	--	--	--	4,2

TABLE 3 (continued)

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-DCA	BDCM	1,1,1-TCA	TCE	Analysis Method
MW-29	03/13/95	0.59	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	1,2
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	1,2
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	4,2
	03/12/96	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	1,2
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	--
	08/29/96	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<150**	--	--	--	--	--	1,2
MW-30	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	1,2
	11/05/93	ND	ND	ND	2.8	ND	ND	--	--	--	--	--	1,2
	02/25/94	1.3	<1	<1	<1	<100	<1,000	--	--	--	--	--	1,2
	06/03/94	1.1	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	1,2
	08/31/94	0.8	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	4,2
	12/22/94	0.6	<0.5	<0.5	<0.5	<50	<50[a]	--	--	--	--	--	4,2
	03/13/95	0.98	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	1,2
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	1,2
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	4,2
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	1,2
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	--
	08/29/96	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<150**	--	--	--	--	--	1,2
MW-32	03/23/93	391	6.2	3.1	9	440	ND	60	ND	ND	ND	ND	1,2,3
	07/27/93	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	1,2,3
	11/05/93	20	ND	1.8	2.1	170	ND	7.9	ND	ND	ND	ND	1,2,3
	02/25/94	5.6	<1	<1	<1	<100	<1,000	<1	<1	<1	<1	<1	1,2,3
	06/03/94	120	1.3	<0.5	1.4	350	<20,000	11	<0.5	<0.5	<0.5	<0.5	1,2,3
	08/31/94	39	0.5	2.2	1.2	<500	<500	10	<4.0	<4.0	<4.0	<4.0	4,2,7
	12/22/94	4.8	<0.5	<0.5	<0.5	<50	<50[a]	4.6	<2.0	<2.0	<2.0	<2.0	4,2,7
	03/13/95	220	3.6	6.5	5.8	1,100	<400	16	<0.5	<0.5	<0.5	<0.5	1,2,9
	06/09/95	1,500	7.9	43	14	2,200	180	<0.5	0.7	<0.5	0.5	<0.5	1,2,3
	09/21/95	1,200	2.4	72	4.5	2,300	60	6.7	<0.5	<0.5	<0.5	1.4	1,2,3
	12/12/95	230	<0.5	8.9	<1.0	500	<50	28	<0.5	<0.5	<0.5	<0.5	4,2,3

TABLE 3 (continued)

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-DCA	BDCM	1,1,1-TCA	TCE	Analysis Method
MW-32	03/12/96	40	<0.5	1.7	<0.5	110	<50	6.8	<0.5	<0.5	<0.5	<0.5	1,2,3
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	--
	08/29/96	**150**	**<0.5**	**49**	**<0.5**	**700**	**<150**	**27**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1,2,3**
Rinse Blank	**08/29/96**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<150**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1,2,3**
Trip Blank	**08/29/96**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**--**	**--**	**--**	**--**	**--**	**--**	**1,2**

Notes: a. Non-diesel peak reported.
b. No diesel pattern detected; result due to high gasoline concentration.

Analytical Methods:

1. 8020.
2. 8015M (CA LUFT).
3. 8010.
4. 602.
5. 8270.
6. 8080.
7. 8260.
8. 8240.
9. 601.

ND Not detected.
-- Not analyzed or not sampled.

TPH Total Petroleum Hydrocarbons.
GRO Gasoline-range organics.
DRO Diesel-range organics.
1,2-DCA 1,2-Dichloroethane.
1,1-DCA 1,1-Dichloroethane.
BDCM Bromodichloromethane.
1,1,1-TCA 1,1,1-Trichloroethane.
TCE Trichloroethene.

Appendix A

Field Documents

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client: Hestie Station No: _____

EA Project No: 60966.01 Task No: 0008

Field Team: K Leggat

Date: 7/16/96

No. of Drums on Site: 8 Water _____ Soil _____ Empty 1 LPH

Summary:

Arrived on site and met Jennifer Eberle from Alameda County Environmental Health. Reviewed scope of work w/ her and any changes in plan, ex. skimmer will be put in PR64 instead of B5. Passive skimmers were installed in 4 wells PR20, PR21 PR64 and EQ, after LPH was purged from wells.

Polly Tank on site in which LPH had been stored previously had only clean H2O in it now.

A new Drum and overpack to store LPH is needed on site ASAP.

K Legge.

Attached is a copy of Jennifer's notes.

Date: [illegible]

MONITORING WELL DATA FORM

Project Number: 60966.01-0008

Station Number:

Client: Nestle

Samplers: [illegible]

Site Location: Oakland Ca

MONITORING WELL NUMBER	ELEVATION TOP OF CASING	DEPTH TO WATER	DEPTH TO PRODUCT	ELEVATION TOP OF GROUNDWATER	APPARENT PRODUCT THICKNESS	STICK UP (+) DOWN (-)	DEPTH TO BOTTOM
PR21	Pre purge	9.55	8.55	3L LPH	Removed,	½ L	H20
	Post purge	9.71	9.70				
PR64	Pre purge	10.25	7.95	3L LPH	Removed	½ L	H20
	Post purge	1120	11.21				
PR20	Pre purge	9.77	7.64	5L LPH	Removed	2.5 L	H20
	Post purge	10 86	—				
E-0	Pre purge	8.50	8.43	¼ L LPH	Removed	1L	H20
	Post purge	8.55	—				

PM4.PROJ.TMP.MON-WELL1294

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client: KSTLE **Station No:** _____

EA Project No: 6296601 **Task No:** 0008

Sample Team: K Legge

Date: 7/23/96

No. of Drums on Site: 7 **Water** Ø **Soil** Ø **Empty**

Summary: 1 DRUM LPH

Arrived on site and checked all PASSIVE SKIMMERS. The skimmer in E-0 DID NOT collect any LPH. Confirmed that E-0 DOES NOT Have LPH w/ Interface Probe. E-5 DOES not have LPH either so I left skimmer in E-0.

I moved Passive skimmer from PR21 to PR22. LPH and water columns are not High Enough to Reach screen on skimmer in PR21. I DID not fill out a LPH Removal/Purge Form for PR22 Because I JUST Installed skimmer, I Checked skimmer Before Leaving IT collected 1/4 Litre LPH in 30 minutes.

No Problems were encountered.

K Legge

Date: 7/23/96

LPH REMOVAL/PURGE FORM

Project Name: Mystic Well Number: PR20

Project Number: 6096601 0008 Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR20	2" well	8.14	9.65	1.51	10.15	10.20	.05

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	½ Litre SKIMMER FULL
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	4 min					
LPH Removed (Litre)	2.5 L					
H20 Removed (Litre)	1.0 L					
D.T.P.	10.15					
D.T.W.	10.20					
LPH Thickness	.05					
LPH Discription	DARK BROWN					

Total Litre's removed: 3.0 L

Disposal method: Drum Well tags, caps, locks in place: NOT

Condition of well box: OK

Comments: Purged LPH DID Have some BIO-Mass.

EA

Date: 2/23/96

LPH REMOVAL/PURGE FORM

Project Name:	Nesti's	Well Number:	PR64
Project Number:	6096601 0008	Personnel:	KL

Gauging Data

Water Level Measuring Method: Interface Probe   Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	Depth to Water	LPH Thickness	FINAL POST-PURGE Final Depth to Product	Final Depth to Water	LPH Thickness
PR64	2" well	9.20	10.62	1.42	N/A	10.98	0.0

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	1/2 Litre Skimmer full
Quantity of H20 Collected	(Litre)	Ø

Purging Data

Purge Time	3 MIN					
LPH Removed (Litre)	1.5 L					
H20 Removed (Litre)	1.0 L					
D.T.P.	N/A					
D.T.W.	10.98					
LPH Thickness	0.0					
LPH Discription	Med BRN					

Total Litre's removed: 2.0 Litre LPH

Disposal method: Drum   Well tags, caps, locks in place: NOT

Condition of well box: OK

Comments: [redacted] Bio-mass was seen during this purge in very small quantaties.

WP61/TEMPLATE.FORMS.MW-DEV.2

Date: 7/23/96

LPH REMOVAL/PURGE FORM

Project Name: MESTIE Well Number: E-O

Project Number: 609660108 Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
E-O	6" well	N/A	8.69	0.0			

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	Ø
Quantity of H20 Collected	(Litre)	Ø

Purging Data

Purge Time						
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: _____

Disposal method: _____ Well tags, caps, locks in place: _____

Condition of well box: _____

Comments: LPH was not collected by skimmer but Detected by Interface Probe. Therefore well was not Purged

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client: NESTLE   Station No: 4/A

EA Project No: 60966.01   Task No: 0008

Field Team: K Legge

Date: 7/26/96

No. of Drums on Site: 8 Water   0 Soil   0 Empty   1 LPH

Summary:

Arrived on site and Emptied Skimmers then guaged wells. Pumped any Remaining Product From wells.
EO Still Does not have LPH in well only very LT Sheen OR By-Product.
The Skimmer in PR22 Had To be ADJUSTED, So only 1/4 Litre was collected.

K Legge.

LPH PURGE FORM

Date: 7/26/96

Project Name: Nestè

Well Number: E-O

Project Number: 60966.01 0008

Personnel: KL

Gauging Data

Water Level Measuring Method: _____

Measuring Point: _____

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
E-O	6" well	—	9.08				

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	0
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time				
LPH Removed (Litre)				
H20 Removed (Litre)				
D.T.P.				
D.T.W.				
LPH Thickness				
LPH Discription				

Total Litre's removed: 0

Disposal method: N/A

Well tags, caps, locks in place: _____

Condition of well box: OK

Comments: LPH WAS NOT Detected in well.

Date: 7/26/96

LPH PURGE FORM

Project Name: NESTLE Well Number: PR-20

Project Number: 60966.01 0008 Personnel: KK

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR20	2" well	8.20	9.10	0.9	9.76	9.78	0.02

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	1/2 Litre (Full)
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	30MIN			
LPH Removed (Litre)	2 Litres			
H20 Removed (Litre)	1 Litre			
D.T.P.	9.76			
D.T.W.	9.78			
LPH Thickness	0.02			
LPH Discription	DARK BROWN			

Total Litre's removed: 2.5 Litres

Disposal method: Drum Well tags, caps, locks in place: Head lock/cap

Condition of well box: OK

Comments: Purged LPH Had some Bio Growth in it

LPH PURGE FORM

Date: 2/26/96

Project Name: Hostile

Well Number: PR 22

Project Number: 609666.01.0008

Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR22	2" well	8.65	9.50	.85	———	———	———

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	1/4 Litre
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	Well WAS NOT PURGED			
LPH Removed (Litre)				
H20 Removed (Litre)				
D.T.P.				
D.T.W.				
LPH Thickness				
LPH Discription				

Total Litre's removed: 1/4 L

Disposal method: Drum

Well tags, caps, locks in place: HOME

Condition of well box: OK

Comments: Skimmer Head to be adjusted, to go deeper in well. Only 1/4 L was collected.

EA

Date: 7/26/96

LPH PURGE FORM

Project Name: NESTLE Well Number: PR-64

Project Number: 60966.01 0008 Personnel: K.L

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR64	2" well	9.46	10.85	1.39	—	11.12	N/A

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	½ Litre (Full)
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	4 MIN			
LPH Removed (Litre)	2.5 Litres			
H20 Removed (Litre)	1 Litre			
D.T.P.	—			
D.T.W.	11.12			
LPH Thickness	N/A			
LPH Discription	LT BRN/LT BIO			

Total Litre's removed: 3 Litres

Disposal method: Drum Well tags, caps, locks in place:

Condition of well box: good

Comments: Light BIO growth in well

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client: Hoth Station No: _____

EA Project No: 6096 01 0005 Task No: _____

Field Team: KL

Date: 7/31/96

No. of Drums on Site: 8 Water 2 Soil 0 Empty 2 LPH

Summary:

Arrived on site and checked Passive skimmers, Recorded Data and purged Remaining LPH.

KL

Date: 1/31/96

LPH PURGE FORM

Project Name: NESTLE Well Number: E-O

Project Number: 609660101 0005 Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	6"	—	9.30	—	—	—	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	YES
Quantity of LPH Collected	(Litre)	0
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time				
LPH Removed (Litre)				
H20 Removed (Litre)				
D.T.P.				
D.T.W.				
LPH Thickness				
LPH Discription				

Total Litre's removed: _____

Disposal method: _____ Well tags, caps, locks in place: _____

Condition of well box: _____

Comments: LPH NOT Detected

EA

Date: 7/31/96

LPH PURGE FORM

Project Name: NESTIC

Well Number: PR20

Project Number: 609660 1 0008

Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

		PRE-PURGE			FINAL POST-PURGE		
Monitoring Well No.	Diameter	Depth to Product	Depth to Water	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
PR64	2"	8.31	9.06	.75	9.15	9.08	0.07

Passive Skimmer Data

Skimmer In Well	(Yes/No)	YES
Quantity of LPH Collected	(Litre)	1/2 Litre (Full)
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	4 MIN			
LPH Removed (Litre)	2 Litres			
H20 Removed (Litre)	1/4 Litre			
D.T.P.	9.15			
D.T.W.	9.08			
LPH Thickness	0.07			
LPH Discription	BRN			

Total Litre's removed: 2 L

Disposal method: Drums

Well tags, caps, locks in place: Caps only

Condition of well box: Poor

Comments: N/A

Date: 2/31/96

LPH REMOVAL/PURGE FORM

Project Name: [illegible]

Well Number: PR22

Project Number: 6096601 0008

Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well		PRE-PURGE			FINAL POST-PURGE		
No.	Diameter	Depth to Product	Depth to Water	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
		8.71	9.50		9.48	9.57	.09

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	1/3 L
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	4 min					
LPH Removed (Litre)	2 Liters					
H20 Removed (Litre)	44 Liter					
D.T.P.	9.48					
D.T.W.	9.57					
LPH Thickness	.09					
LPH Discription	LT BRN					

Total Litre's removed: 2L

Disposal method: Drum

Well tags, caps, locks in place: caps only

Condition of well box: POOR

Comments: N/C

Date: 7/31/96

LPH REMOVAL/PURGE FORM

Project Name: HASTIE

Well Number: ~~PR20~~ PR64

Project Number: 6096601 0008

Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
		9.45	10.75		10.70	10.80	10

Passive Skimmer Data

Skimmer In Well	(Yes/No)	YES
Quantity of LPH Collected	(Litre)	1/2 L (FULL)
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	30MIN			
LPH Removed (Litre)	2 Litres			
H20 Removed (Litre)	1/2 Litre			
D.T.P.	10.70			
D.T.W.	10.80			
LPH Thickness	0			
LPH Discription	DK BRN			

Total Litre's removed: 2 L

Disposal method: Drum

Well tags, caps, locks in place: caps only

Condition of well box: Poor

Comments: NA

EA Engineering,
Science, and
Technology

FIELD SUMMARY REPORT

Client: Hestle **Station No:** _____

EA Project No: 60966 01 0005 **Task No:** _____

Field Team: HL

Date: 8/16/96

No. of Drums on Site: 8 **Water** 0 **Soil** 0 **Empty** 2 **LPH**

Summary:

Arrived on site and checked all passive skimmers, Recorded Data and Purged Remaining LPH from wells.

HJ

Date: 8/16/96

LPH REMOVAL/PURGE FORM

Project Name: Hestic

Well Number: E-O

Project Number: 6096601 0008

Personnel: [illegible]

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
	6"	—	9.57	Ø	—	—	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	Ø
Quantity of H20 Collected	(Litre)	Ø

Purging Data

Purge Time						
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: NA

Disposal method:

Well tags, caps, locks in place: CAP only

Condition of well box: Poor

Comments:

Date: 8/16/96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR20

Project Number: 609660? 0008

Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well		PRE-PURGE			FINAL POST-PURGE		
No.	Diameter	Depth to Product	Depth to Water	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
	2"	8.73	9.64		9.65	9.68	.03

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	1/2 Litre (Full)
Quantity of H20 Collected	(Litre)	Ø

Purging Data

Purge Time	4min					
LPH Removed (Litre)	1 1/2 L					
H20 Removed (Litre)	1/4 L					
D.T.P.	9.65					
D.T.W.	9.68					
LPH Thickness	.03					
LPH Discription	LT BRN					

Total Litre's removed: 1 1/2 L

Disposal method: Drum

Well tags, caps, locks in place: Caps only

Condition of well box: Poor

Comments: —

Date: 8/16/96

LPH REMOVAL/PURGE FORM

Project Name: Hestle
Well Number: PR22
Project Number: 609660l 00018
Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe
Measuring Point: TOC

Monitoring Well		PRE-PURGE			FINAL POST-PURGE		
No.	Diameter	Depth to Product	Depth to Water	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
	2"	9.04	9.53	.51	9.40	9.45	.05

Passive Skimmer Data

Skimmer In Well (Yes/No)	Yes
Quantity of LPH Collected (Litre)	1/2 Litre
Quantity of H20 Collected (Litre)	Ø

Purging Data

Purge Time	1.5 min					
LPH Removed (Litre)	1 Litre					
H20 Removed (Litre)	1/2 Litre					
D.T.P.	9.40					
D.T.W.	9.45					
LPH Thickness	.05					
LPH Discription	m-d Brn					

Total Litre's removed: 1 L

Disposal method: Drum

Well tags, caps, locks in place: Caps only

Condition of well box: Poor

Comments: NF

WP61/TEMPLATE.FORMS.MW-DEV.2

LPH REMOVAL/PURGE FORM

Date: 8/16/96

Project Name: Hostie Well Number: PR64

Project Number: 609601.0005 Personnel: KL

Gauging Data

Water Level Measuring Method: ~~Interface Probe~~ Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
		9.80	10.90		10.55	10.60	.05

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	½ Litre Full
Quantity of H20 Collected	(Litre)	ø

Purging Data

Purge Time	4 min					
LPH Removed (Litre)	1 Litre					
H20 Removed (Litre)	¼ Litre					
D.T.P.	10.55					
D.T.W.	10.60					
LPH Thickness						
LPH Discription	some BIO					

Total Litre's removed: 1 L

Disposal method: Drum Well tags, caps, locks in place: Caps only

Condition of well box: Poor

Comments: ø

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client: Nestle **Station No:** _____

EA Project No: 60966.01 **Task No:** 0008

Field Team: Ralph Boniello

Date: 8/29/96

No. of Drums on Site: 13 **Water** Ø **Soil** Ø **Empty** 2 **LPH**

Summary:

Upon Arrival, opened wells, gauged depth to water and monitored for LPH. No product was found in the wells to be sampled. Purged at least 3 casing volumes from each well and sampled for TPH-g, TPH-d, BTEX. MW26 and MW32 were also sampled for 8010. Samples were packed and sent Fedex priority overnight to Nestle.

Date: 8/28/96

MONITORING WELL DATA FORM

Project Number: 60966.01.0008

Station Number:

Client: Nestle

Samplers: R. Boniello

Site Location: West Oakland

MONITORING WELL NUMBER	ELEVATION TOP OF CASING	DEPTH TO WATER	DEPTH TO PRODUCT	ELEVATION TOP OF GROUNDWATER	APPARENT PRODUCT THICKNESS	STICK UP (+) DOWN (-)	DEPTH TO BOTTOM
MW2		9.59					23.00
MW3		9.05					24.55 ~~24.80~~
MW6		8.93					15.35
MW25		7.72					19.30
MW26		7.51					25.00
MW27		8.82					24.00
MW28		9.30					25.20
MW29		7.50					23.00
MW30		9.53					21.10
MW32		9.22					23.10

PM4.PROJ.TMP.MON-WELL1294

Date: 5/11/10

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle Well Number: MW2

Project Number: 609606.01.0008 Personnel: R. Boniello

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							2	(4)	6			
	23.00		9.59		13.41		0.16	0.64	1.44	8.58		25.75

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate:

Time	09:06	09:08	09:10	09:12			
Volume Purges (gal)	0	8.5	17	26			
Temperature (°C)	22.3	22.2	21.6	21.7			
pH	7.20	7.18	7.24	7.26			
Specific Conductivity (umhos)	705	793	829	830			
Turbidity / Color	low lt. brown	low lt. brown	low lt. brown	medium lt. brown			
Odor	N	N	N	N			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 09:16 Approx. Depth to Water During Sampling: 17

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4 °C (Y/N)	Analysis Method	Comments
MW2	3	VOA	HCl	40 ml	low	lt brown	yes	TPH-g BTEX	
MW2	2	amber	None	1L	J	↓	yes	TPH-d	

Total Purge Volume: 26 Disposal/Containment Method: Drums on site

Weather Conditions: clear

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) N

Problems Encountered During Purging and Sampling: N

Comments: _____

Date: 8/21/10

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle Well Number: MW3

Project Number: 60966.01.0008 Personnel: R. Boniello

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							2	(4)	6			
	24.55		9.05		15.50		0.16	0.64	1.44	9.92		29.76

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate:

Time	09:52	09:55	09:57	09:59			
Volume Purges (gal)	0	10	20	30			
Temperature (°C)	19.7	20.2	19.8	19.6			
pH	7.39	7.33	7.24	7.22			
Specific Conductivity (umhos)	668	796	881	873			
Turbidity / Color	medium gray	low lt. gray	low lt. brown	low clear			
Odor	HC	HC	HC	HC			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 10:04 Approx. Depth to Water During Sampling: 22

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4 °C (Y/N)	Analysis Method	Comments
MW3	3	VOA	HCl	40 ml	low	lt. brown	yes	TPH-g BTEX	
MW3	2	amber	None	1L	↓	↓	yes	TPH-d	

Total Purge Volume: 30 Disposal/Containment Method: Drums on site

Weather Conditions: Clear

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) N

Problems Encountered During Purging and Sampling: N

Comments: _____

Date: 8/6/98

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle Well Number: MW6

Project Number: 609666.01.0008 Personnel: R. Boniello

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							2	4	6			
	15.35		8.93		6.42		0.16	0.64	1.44	1.03		3.08

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate:

Time	09:18	09:20	09:21	09:22			
Volume Purges (gal)	0	1	2	3			
Temperature (°C)	18.7	17.0	16.8	16.7			
pH	7.36	7.43	7.45	7.46			
Specific Conductivity (umhos)	606	522	511	504			
Turbidity / Color	high brown	medium brown	medium brown	medium brown			
Odor	N	N	N	N			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 09:25 Approx. Depth to Water During Sampling: 10

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4 °C (Y/N)	Analysis Method	Comments
MW6	3	VOA	HCl	40 ml	medium	brown	yes	TPH-g BTEX	
MW6	2	amber	None	1L	medium	brown	yes	TPH-d	

Total Purge Volume: 3 Disposal/Containment Method: Drums on site

Weather Conditions: clear

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) N

Problems Encountered During Purging and Sampling: N

Comments: _____

PM4 PROJ.TMP PURGE1294

Date: 8/29/96

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle Well Number: MW25

Project Number: 609660.01.0008 Personnel: R. Boniello

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							2	(4)	6			
	19.30		7.72		11.58		0.16	0.64	1.44	7.41		22.23

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate:

Time	07:40	07:43	07:47	07:50			
Volume Purges (gal)	0	7.5	15	22.5			
Temperature (°C)	18.1	18.3	17.2	16.7			
pH	7.19	7.10	7.09	7.13			
Specific Conductivity (umhos)	868	1020	1035	1024			
Turbidity / Color	low brown	low lt. brown	low lt. brown	low clear			
Odor	N	N	N	N			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 07:54 Approx. Depth to Water During Sampling: 16

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4 °C (Y/N)	Analysis Method	Comments
MW25	3	VOA	HCl	40 ml	low	clear	yes	TPH-g BTEX	
MW25	2	amber	None	1L	↓	↓	yes	TPH-d	

Total Purge Volume: 22.5 Disposal/Containment Method: Drums on site

Weather Conditions: clear

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) N

Problems Encountered During Purging and Sampling: N

Comments: _____

Date: 8/21/96

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle Well Number: MW26

Project Number: 609666.01.0008 Personnel: R. Boniello

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	− Depth to Water (feet)	= Water Column (feet)	X Multiplier for Casing Diameter (2 / (4) / 6)	Casing Volume (gal)	= Total Req'd Purge Volume (gal)
	25.00	7.51	17.49	0.16 / 0.64 / 1.44	11.19	33.58

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate:

Time	08:00	08:02	08:04	08:06			
Volume Purges (gal)	0	11	22.5	34			
Temperature (°C)	18.7	18.4	18.1	18.1			
pH	7.20	7.20	7.16	7.13			
Specific Conductivity (umhos)	821	764	767	778			
Turbidity / Color	low lt. brown	low lt. brown	low lt. brown	low lt. brown			
Odor	N	light HC	lt. HC	lt. HC			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 08:09 Approx. Depth to Water During Sampling: 21

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4 °C (Y/N)	Analysis Method	Comments
MW26	3	VOA	HCl	40 ml	low	lt. brown	yes	TPH-g BTEX	
MW26	2	amber	None	1L	↓	↓	yes	TPH-d	

Total Purge Volume: 34 Disposal/Containment Method: Drums on site

Weather Conditions: clear

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) N

Problems Encountered During Purging and Sampling: N

Comments: _____

Date: 8/27/10

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle Well Number: MW28

Project Number: 609666.01.0008 Personnel: R. Boniello

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							2	(4)	6			
	25.20 ~~24.00~~		9.30 ~~8.82~~		15.90 ~~15.18~~		0.16	0.64	1.44	10.18 ~~9.71~~		30.52 ~~29.15~~

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate:

Time	07:10	07:12	07:14	07:16			
Volume Purges (gal)	0	10	20.5	30.5			
Temperature (°C)	19.5	19.6	19.1	18.7			
pH	7.39	7.01	6.98	7.00			
Specific Conductivity (umhos)	577	581	610	640			
Turbidity / Color	low clear	low clear	low clear	low clear			
Odor	N	N	N	N			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 07:20 Approx. Depth to Water During Sampling: 18

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4 °C (Y/N)	Analysis Method	Comments
MW28	3	VOA	HCl	40 ml	low	clear	yes	TPH-g BTEX	
MW28	2	amber	None	1L	↓	↓	yes	TPH-d	

Total Purge Volume: 30.5 Disposal/Containment Method: Drums on site

Weather Conditions: clear

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) N

Problems Encountered During Purging and Sampling: N

Comments: _____

Date: 8/29/90

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle Well Number: MW29

Project Number: 609660.01.0008 Personnel: R. Boniello

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	− Depth to Water (feet)	= Water Column (feet)	X Multiplier for Casing Diameter (2 / (4) / 6)	Casing Volume (gal)	= Total Req'd Purge Volume (gal)
	23.00	7.50 ~~7.5~~	15.50	0.16 / 0.64 / 1.44	9.92	29.76

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate:

Time	07:25	07:27	07:29	07:31			
Volume Purges (gal)	0	10	20	30			
Temperature (°C)	19.4	19.7	18.9	18.3			
pH	7.19	7.20	7.29	7.30			
Specific Conductivity (umhos)	391	394	365	373			
Turbidity / Color	~~medium~~ lt. brown	low lt. brown	low lt. brown	medium lt. brown			
Odor	N	N	N	N			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations:

SAMPLING DATA

Time Sampled: 07:34 Approx. Depth to Water During Sampling: 20

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4 °C (Y/N)	Analysis Method	Comments
MW29	3	VOA	HCl	40 ml	low	lt. brown	yes	TPH-g BTEX	
MW29	2	amber	None	1L	↓	↓	yes	TPH-d	

Total Purge Volume: 30 Disposal/Containment Method: Drums on site

Weather Conditions: clear

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) N

Problems Encountered During Purging and Sampling: N

Comments:

Date: 9/24/98

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle Well Number: MW30

Project Number: 60966.01.0008 Personnel: R. Boniello

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter (2 / (4) / 6)	Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
	21.10		9.53		11.57		2: 0.16 / (4): 0.64 / 6: 1.44	7.40		22.21

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate:

Time	09:38	09:39	09:41	09:43			
Volume Purges (gal)	0	7.5	15	22.5			
Temperature (°C)	17.6	17.2	16.9	16.7			
pH	7.52	7.51	7.53	7.50			
Specific Conductivity (umhos)	436	426	413	496			
Turbidity / Color	low lt. brown	low lt. brown	low lt. brown	low lt. brown			
Odor	N	N	N	N			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 09:46 Approx. Depth to Water During Sampling: 18

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4 °C (Y/N)	Analysis Method	Comments
MW30	3	VOA	HCl	40 ml	low	lt. brown	Yes	TPH-g BTEX	
MW30	2	amber	None	1L			yes	TPH-d	

Total Purge Volume: 22.5 Disposal/Containment Method: Drums on site

Weather Conditions: clear

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) N

Problems Encountered During Purging and Sampling: N

Comments: _____

Date: 8/29/96

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle Well Number: MW32

Project Number: 609660.01.0008 Personnel: R. Baniello

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							2	(4)	6			
	23.10		9.22		13.88		0.16	0.64	1.44	8.88		26.65

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate:

Time	08:50	08:52	08:54	08:56			
Volume Purges (gal)	0	9	18	27			
Temperature (°C)	22.8	22.4	21.9	20.8			
pH	7.25	7.23	7.19	7.22			
Specific Conductivity (umhos)	708	716	719	688			
Turbidity / Color	low lt. brown	low lt. brown	low lt. brown	medium lt. brown			
Odor	HC	HC	HC	HC			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 09:00 Approx. Depth to Water During Sampling: 15

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4 °C (Y/N)	Analysis Method	Comments
MW32	3	voa	HCl	40 ml	low	lt. brown	yes	TPH-g BTEX	
MW32	2	amber	None	1L	↓	↓	yes	TPH-d	

Total Purge Volume: 27 Disposal/Containment Method: Drums on site

Weather Conditions: clear

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) N

Problems Encountered During Purging and Sampling: N

Comments: _____

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client: NESTLE Station No: ____

EA Project No: 60966.01.0008 Task No: ____

Field Team: KL RB

Date: 8/30/96

No. of Drums on Site: 8 Water 0 Soil 0 Empty 2 LPH

Summary:

I arrived on site w/ Ralph and located/opened wells to be monitored and purged. The passive skimmer in well PR22 was removed and installed in well PR34. LPH level is now not high enough to fill skimmer in PR22.

LPH was purged from wells with greater then .05 product. E-0 continues not to have LPH.

No problems were encountered on site.

[signature]

WP61/F:PROJECTS/TEMPLATE/FORMS/FS-RPT.695

Date: 8/30/96

MONITORING WELL DATA FORM

Project Number: 609661 0008

Station Number:

Client: Nestle

Samplers: K Lagge R Boniello

Site Location: 1310 14th ST OAKLAND Ca.

MONITORING WELL NUMBER	ELEVATION TOP OF CASING	DEPTH TO WATER	DEPTH TO PRODUCT	ELEVATION TOP OF GROUNDWATER	APPARENT PRODUCT THICKNESS	STICK UP (+) DOWN (-)	DEPTH TO BOTTOM
MW7		9.22	9.02				
MW8		9.07	9.03				
MW22		9.22	9.18				
MW23		10.16	9.92				
MW24		10.62	9.17				
E-0		9.78					
E-5		9.30	9.29				
E-8		9.18	—				
V 78		10.11	—				
V 90	DRY						
PR-20		9.62	8.93				
PR-21		10.13	9.27				
PR-22		9.70	9.23				
PR-23		9.35	9.26				
PR-26		9.07	9.00				
PR-30	DRY						
PR-34		10.21	9.07				
PR-35		9.22	8.89				
PR-36	DRY						
PR 37		9.00	8.81				
PR-41	DRY						
PR-44	DRY						
PR-45		9.18	—				
PR-47		8.78	8.70				
PR 48		10.26	8.90				

2 OF 2

Date: 8/30/96

MONITORING WELL DATA FORM

Project Number: 609661 01 0008

Station Number:

Client: HESTIE

Samplers: K Legge R Boniello

Site Location: 1310 14TH ST OAKLAND Ca

MONITORING WELL NUMBER	ELEVATION TOP OF CASING	DEPTH TO WATER	DEPTH TO PRODUCT	ELEVATION TOP OF GROUNDWATER	APPARENT PRODUCT THICKNESS	STICK UP (+) DOWN (-)	DEPTH TO BOTTOM
PR-49		DRY					
PR-50		9.07	—				
PR-51		DRY					
PR-52		9.25	—				
PR-53		9.64	8.83				
PR-54		9.18	—				
PR-55		DRY					
PR-56		5.25	—				
PR-57		8.71	—				
PR-58		9.82	8.35				
PR-61		10.07	9.14				
PR-64		11.11	10.10				
PR-67		8.67	8.57				
V-55		7.80	—				

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: MW 7

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	9.02	9.22	.20	—	9.80	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO
Quantity of LPH Collected (Litre)	N/A
Quantity of H20 Collected (Litre)	N/A

Purging Data

Purge Time	1 MIN					
LPH Removed (Litre)	1/4 L					
H20 Removed (Litre)	1/4 L					
D.T.P.	—					
D.T.W.	9.80					
LPH Thickness	—					
LPH Discription	SHEEN					

Total Litre's removed: 1/4 L

Disposal method: 55gal Drum on site Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N —

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: MW23

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
	2"	9.92	10.16	.24	10.35	10.37	.02

Passive Skimmer Data

Skimmer In Well	(Yes/No)	YES
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	2min					
LPH Removed (Litre)	2L					
H20 Removed (Litre)	1/2 L					
D.T.P.	10.35					
D.T.W.	10.37					
LPH Thickness	.02					
LPH Discription	Dark Brn					

Total Litre's removed: ~~Purge Water~~ 2 L

Disposal method: 55gal Drum onsite Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N/A

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: MW24

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

		PRE-PURGE			FINAL POST-PURGE		
Monitoring Well No.	Diameter	Depth to Product	Depth to Water	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
	2"	9.17	10.67	1.45	10.40	10.42	.02

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO
Quantity of LPH Collected (Litre)	N/A
Quantity of H20 Collected (Litre)	N/A

Purging Data

Purge Time	2min	1min				
LPH Removed (Litre)	3.5 L	1.0 L				
H20 Removed (Litre)	.5 L	.5 L				
D.T.P.	—	10.40				
D.T.W.	—	10.42				
LPH Thickness	—	.02				
LPH Discription	—	DARK IRRH				

Total Litre's removed: 4.5 Litres

Disposal method: 55gal Drum on site Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N/—

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: PR 20

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	8.93	9.62	.69	—	9.83	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	YES
Quantity of LPH Collected (Litre)	1/4 Litre (Skimmer Full)
Quantity of H20 Collected (Litre)	0

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	1 L.					
H20 Removed (Litre)	1/2 L					
D.T.P.	—					
D.T.W.	9.83					
LPH Thickness	—					
LPH Discription	Med Brn					

Total Litre's removed: 1 Litre

Disposal method: 55gal Drum on site Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N —

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: PR-21

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	9.27	10.13	.86	—	11.45	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO
Quantity of LPH Collected (Litre)	N/A
Quantity of H20 Collected (Litre)	N/A

Purging Data

Purge Time	2 MIN					
LPH Removed (Litre)	1.5					
H20 Removed (Litre)	1.0					
D.T.P.	—					
D.T.W.	11.45					
LPH Thickness	—					
LPH Discription	LT BRN					

Total Litre's removed: 1.5 L

Disposal method: 55gal Drum onsite Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N/—

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: PR 22

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
	2"	9.23	9.70	.47	—	10.02	

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO SKIMMER WAS Removed
Quantity of LPH Collected (Litre)	N/A
Quantity of H20 Collected (Litre)	N/A

Purging Data

Purge Time	2 MIN					
LPH Removed (Litre)	1 L					
H20 Removed (Litre)	2 L					
D.T.P.	—					
D.T.W.	10.02					
LPH Thickness	—					
LPH Discription	LT BRN					

Total Litre's removed: 1 L

Disposal method: 55gal Drum onsite Well tags, caps, locks in place: CAPS only

Condition of well box: POOR

Comments: SKIMMER WAS Removed Due TO Depth of Well and Installed in PR 34

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: PR23

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	8.26	8.35	.09	—	8.85	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO
Quantity of LPH Collected (Litre)	N/A
Quantity of H20 Collected (Litre)	N/A

Purging Data

Purge Time	1 min					
LPH Removed (Litre)	1/4 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	—					
D.T.W.	8.85					
LPH Thickness	—					
LPH Discription	LT BRN					

Total Litre's removed: 1/4 L

Disposal method: 55gal Drum onsite Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N—

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: PR 26

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

		PRE-PURGE			FINAL POST-PURGE		
Monitoring Well No.	Diameter	Depth to Product	Depth to Water	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
	2"	19.00	19.07	.07	—	9.25	

Passive Skimmer Data

Skimmer In Well	(Yes/No)	NO
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	1 min					
LPH Removed (Litre)	1/8 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	—					
D.T.W.	9.25					
LPH Thickness	—					
LPH Discription	Hydrocarbon					

Total Litre's removed: 1/8 L

Disposal method: 55 gal Drum on site Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N-

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: PR-35

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	8.89	9.22	.33	—	9.50	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes Installed skimmer
Quantity of LPH Collected	(Litre)	JUST INSTALLED
Quantity of H20 Collected	(Litre)	" "

Purging Data

Purge Time	25 min					
LPH Removed (Litre)	1L					
H20 Removed (Litre)	1/2 L					
D.T.P.	—					
D.T.W.	9.50					
LPH Thickness	—					
LPH Discription	LT BRN					

Total Litre's removed: 1 L

Disposal method: 55gal Drum on site Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: Installed skimmer in PR 35 from PR 22

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: PR37

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
	2"	8.81	9.00	.19	—	9.54	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO
Quantity of LPH Collected (Litre)	N/A
Quantity of H20 Collected (Litre)	N/A

Purging Data

Purge Time	1.5 min					
LPH Removed (Litre)	1/2 L					
H20 Removed (Litre)	1 L					
D.T.P.	—					
D.T.W.	9.54					
LPH Thickness	—					
LPH Discription	LT BRN					

Total Litre's removed: 1/2 L

Disposal method: 55gal Drum onsite Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N-

LPH REMOVAL/PURGE FORM

Date: 8/30/96

Project Name: HESTLE Well Number: PR47

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	8.70	8.78	.08	—	9.27	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	N/A
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	1 min					
LPH Removed (Litre)	1/2					
H20 Removed (Litre)	—					
D.T.P.	—					
D.T.W.	9.27					
LPH Thickness	—					
LPH Discription	Med Brn					

Total Litre's removed: 1/2 L

Disposal method: 55gal Drum on site Well tags, caps, locks in place: CAPS only

Condition of well box: POOR

Comments: N/A

LPH REMOVAL/PURGE FORM

Date: 8/30/96

Project Name: HESTLE Well Number: PR-48

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	8.90	10.26	1.36	10.52	10.54	.02

Passive Skimmer Data

Skimmer In Well	(Yes/No)	NO
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	3 min					
LPH Removed (Litre)	2.5 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	10.52					
D.T.W.	10.54					
LPH Thickness	.02					
LPH Discription	Dark Brn					

Total Litre's removed: 2.5 L

Disposal method: 55gal Drum on site Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N/-

LPH REMOVAL/PURGE FORM

Date: 8/30/96

Project Name: HESTLE Well Number: PR53

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	8.83	9.64	.81	—	10.25	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	NO
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	1 min					
LPH Removed (Litre)	1 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	—					
D.T.W.	10.25					
LPH Thickness	—					
LPH Discription	Med Brn					

Total Litre's removed: 1 L

Disposal method: 55gal Drum on site Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N/-

Date: 8/30/96

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: PR-58

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
	2"	8.35	9.82	1.47	—	10.51	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO
Quantity of LPH Collected (Litre)	N/A
Quantity of H20 Collected (Litre)	N/A

Purging Data

Purge Time	2MIN					
LPH Removed (Litre)	1¼ L					
H20 Removed (Litre)	½ L					
D.T.P.	—					
D.T.W.	10.51					
LPH Thickness	—					
LPH Discription	LT BRN					

Total Litre's removed: 1¼ Litre

Disposal method: 55gal Drum onsite Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N —

Date: 8/30/96

LPH REMOVAL/PURGE FORM

Project Name: HESTLE Well Number: PR 61

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	9.14	10.07	.93	—	10.31	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	NO
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	1 min					
LPH Removed (Litre)	2.0 L					
H20 Removed (Litre)	3/4 L					
D.T.P.	—					
D.T.W.	10.31					
LPH Thickness	—					
LPH Discription	MOD ISRM					

Total Litre's removed: 2 Litres

Disposal method: 55 gal Drum onsite Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N —

LPH REMOVAL/PURGE FORM

Date: 8/30/96

Project Name: HESTLE Well Number: PR64

Project Number: 60966 01 0008 Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	10.10	11.11	1.1	—	10.86	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	YES
Quantity of LPH Collected	(Litre)	1/4 L "Skimmer Full"
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	2 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	—					
D.T.W.	10.86					
LPH Thickness	—					
LPH Discription	Dark Brn					

Total Litre's removed: 2 Litres

Disposal method: 55gal Drum on site Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: LPH Does Have some BIO-MASS Build up

LPH REMOVAL/PURGE FORM

Date: 8/30/96

Project Name: HESTLE

Well Number: PR67

Project Number: 60966 01 0008

Personnel: KL RB

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	8.57	8.67	0.10	—	19.84	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	NO
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	1 min					
LPH Removed (Litre)	1/4 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	—					
D.T.W.	19.84					
LPH Thickness	—					
LPH Discription	NONE BRN-I					

Total Litre's removed: 1/4 L

Disposal method: 55gal Drum onsite

Well tags, caps, locks in place: CAPS ONLY

Condition of well box: POOR

Comments: N-

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client: Nestle **Station No:** _____

EA Project No: 60966.01.0008 **Task No:** _____

Field Team: R. Buniello

Date: 9/18/96

No. of Drums on Site: 13 **Water** Ø **Soil** Ø **Empty** 2 **LPH**

Summary:

Arrived on site, opened and gauged wells to be monitored. Product was removed from the passive skimmers on site.

LPH was purged from wells with greater than .05 feet product. After first purging, wells were gauged again. Any wells which had recovered greater than .05 feet product were purged and gauged a second time

No problems were encountered on site.

[redacted] FIELD WORK ORDER

Project Number 609601 [illegible]

Task _____

Activity	Hours Budget	Hours Actual
0001		0.5
0093		1.0
EX46		6.0

Client Contact [redacted]

RAS 7-

EWR #

Sched. Work Date 9/18/96

Site Contact Frontgate

Site Phone N/A

Address Oakland Ca

Work Requested: Monitor listed wells
purge all wells with greater .05 LPH
Repeat Gauging of wells that were purged
Repeat Purge if greater than .05 LPH Detected

Analyses: TPH-g TPH-d BTEX 8010 MTBE 8270 STLC Pb RCI

Turnaround Time: 24 hours 48 hours 72 hours 96 hours Standard (10 days)

Other Analyses: _____

Drums/Waste: Water_____ Soil_____ Other_____

New Labels: Yes ☐ No ☐

Requested by PM: _____ Completed by: Ralph Bonilla

F:\PROJ\TMP596 White - Job Yellow - Project Manager Pink - Group Director

Date: 9/18/96

MONITORING WELL DATA FORM

Project Number: 609660101 0008

Station Number:

Client: Nestle

Samplers: R. Boniello

Site Location: 1310 4th St Oakland, CA

MONITORING WELL NUMBER	ELEVATION TOP OF CASING	DEPTH TO WATER	DEPTH TO PRODUCT	ELEVATION TOP OF GROUNDWATER	APPARENT PRODUCT THICKNESS	STICK UP (+) DOWN (-)	DEPTH TO BOTTOM
MW7		9.38	9.34				
MW8		9.38	9.35				
MW22		9.65	9.43				
MW23		10.01	9.38				
MW24		10.69	9.54				
E-0	skimmer	9.93		skimmer	empty		
E-5		10.27	10.23				
E-8		9.51					
V-78		10.92					
V90		dry					
PR20	skimmer	9.63	9.16	≈ 3" product	in skimmer		
PR21		10.18	9.64				
PR22		~~9.35~~ 9.51	9.15				
PR23		~~10.14~~ 9.04	~~9.61~~				
PR26		9.33	9.30				
PR30		dry					
PR34	skimmer	10.64	10.16	skimmer full			
PR35		9.36	9.25				
PR36		dry					
PR37		9.21	9.10				
PR44		dry					
PR~~45~~ 41		dry					
PR45		9.54					
~~PR47~~		~~9.60~~ 9.12	9.10				
PR48		9.79	9.41				

Date: 9/18/96

MONITORING WELL DATA FORM

Project Number: 60096601 0008

Station Number:

Client: Nestle

Samplers: R. Boniello

Site Location: 1310 14th St. Oakland, CA

MONITORING WELL NUMBER	ELEVATION TOP OF CASING	DEPTH TO WATER	DEPTH TO PRODUCT	ELEVATION TOP OF GROUNDWATER	APPARENT PRODUCT THICKNESS	STICK UP (+) DOWN (-)	DEPTH TO BOTTOM
PR49		9.60					
PR50		9.33					
PR51		5.51					
PR52		9.55					
PR53		9.58	9.20				
PR54		9.43					
PR55		dry					
PR56		dry					
PR57		8.99					
PR58		9.74	8.73				
PR61		9.95	9.57				
PR64	skimmer	10.96	10.11	skimmer full			
PR67		8.89	8.82				
V55		could not locate well					

Date: 9/18/96

LPH REMOVAL/PURGE FORM

Project Name: Nestle
Well Number: MW22
Project Number: 609660l 0008
Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe
Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
MW22		9.43	9.65	0.22	—	9.47	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	NA

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	1/2					
H20 Removed (Litre)	1/8					
D.T.P.	—					
D.T.W.	9.47					
LPH Thickness	—					
LPH Discription	dark brown					

Total Litre's removed: 1/2

Disposal method: drum

~~Well tags~~, caps, ~~locks~~ in place: Yes

Condition of well box: OK

Comments:

Date: 9/23/96

LPH REMOVAL/PURGE FORM

Project Name: Nestle
Well Number: MW23
Project Number: 60966001 0008
Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe
Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
MW23	2"	9.38	10.01	0.63	9.69	9.72	0.03

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	2 min	1 min				
LPH Removed (Litre)	3/4	1/8				
H20 Removed (Litre)	1/2	1/4				
D.T.P.	9.71	9.69				
D.T.W.	9.82	9.72				
LPH Thickness	0.11	0.03				
LPH Discription	dark brown	dark brown				

Total Litre's removed: 7/8
Disposal method: drum
~~Well tags~~, caps, ~~locks~~ in place: Yes
Condition of well box: OK
Comments:

LPH REMOVAL/PURGE FORM

Date: 9/18/96

Project Name: Nestle

Project Number: 609(6601.0058

Well Number: MW24

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
MW24	2"	9.54	10.69	1.15	~	9.88	-

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	3 min	2 min				
LPH Removed (Litre)	1 1/2	1/4				
H20 Removed (Litre)	1/2	1/4				
D.T.P.	9.73	-				
D.T.W.	10.11	9.88				
LPH Thickness	.38	-				
LPH Discription	dark brown	dark brown				

Total Litre's removed: 1 3/4

Disposal method: drum

~~Well tags~~, caps, ~~locks~~ in place: yes

Condition of well box: OK

Comments:

Date: 9-18-96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR20

Project Number: 6096601 0005

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR20	2"	9.16	9.63	0.47	9.50	9.54	0.04

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	3"
Quantity of H20 Collected	(Litre)	none

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	1/2 L					
H20 Removed (Litre)	1/8 L					
D.T.P.	9.50					
D.T.W.	9.54					
LPH Thickness	0.04					
LPH Discription	med. brown					

Total Litre's removed: 1/2

Disposal method: drums

~~Well tags~~, caps, ~~locks~~ in place: yes

Condition of well box: OK

Comments:

Date: 9/18/96

LPH REMOVAL/PURGE FORM

Project Name: Nestle
Well Number: PR21
Project Number: 609(d01 0008
Personnel: Ralph Boniello

Gauging Data

Water Level Measuring Method: Interface Probe
Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR21	2"	9.64	10.18	0.54	10.23	10.24	0.01

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	2 min	1min				
LPH Removed (Litre)	3/4	1/8				
H20 Removed (Litre)	1/4	1/4				
D.T.P.	9.94	10.23				
D.T.W.	10.00	10.24				
LPH Thickness	0.06	0.01				
LPH Discription	dark brown	med brown				

Total Litre's removed: 7/8
Disposal method: drum
~~Well tags~~, caps, ~~locks~~ in place: Yes
Condition of well box: OK
Comments:

Date: 9/18/96

LPH REMOVAL/PURGE FORM

Project Name: Nestle
Well Number: PR22
Project Number: 609666.01.0008
Personnel: R. Buniello

Gauging Data

Water Level Measuring Method: Interface Probe
Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR22	2"	9.15	9.57	0.42	9.65	9.68	0.03

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	2 min	2 min				
LPH Removed (Litre)	1L	1/8				
H20 Removed (Litre)	1/2	1/2				
D.T.P.	9.36	9.65				
D.T.W.	9.46	9.68				
LPH Thickness	0.10	0.03				
LPH Discription	dark brown	med brown				

Total Litre's removed: 1 1/8

Disposal method: drum

~~Well tags~~, caps, ~~locks~~ in place: yes

Condition of well box: OK

Comments:

Date: 9-18-96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR34

Project Number: 60966601.0008

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR34	2"	10.16	10.64	0.48	10.13	10.14	0.01

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	1/4 litre (skimmer full)
Quantity of H20 Collected	(Litre)	None

Purging Data

Purge Time	2 min	2 min				
LPH Removed (Litre)	3/4	1/4				
H20 Removed (Litre)	1/4	1/4				
D.T.P.	9.87	10.13				
D.T.W.	10.02	10.14				
LPH Thickness	0.15	0.01				
LPH Discription	dark brown	dark brown				

Total Litre's removed: 1

Disposal method: drum

~~Well tags~~, caps, ~~locks~~ in place: yes

Condition of well box: OK

Comments:

Date: 9-18-96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR35

Project Number: 609G6.01.0008

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR35	2"	9.25	9.36	0.09	9.46	9.48	0.02

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	1 min					
LPH Removed (Litre)	1/4					
H20 Removed (Litre)	1/4					
D.T.P.	9.46					
D.T.W.	9.48					
LPH Thickness	0.02					
LPH Discription	dark brown					

Total Litre's removed: 1/4

Disposal method: drum

~~Well tags~~, caps, ~~locks~~ in place: yes

Condition of well box: OK

Comments:

Date: 9-18-96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR37

Project Number: 60966.01.0008

Personnel: R. Baniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR37	2"	9.10	9.21	0.11	9.22	9.24	0.02

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	1/4					
H20 Removed (Litre)	1/4					
D.T.P.	9.22					
D.T.W.	9.24					
LPH Thickness	0.02					
LPH Discription	Dk. brown					

Total Litre's removed: 1/4

Disposal method: drum

~~Well tags~~, caps, ~~locks~~ in place: Yes

Condition of well box: OK

Comments:

Date: 9-18-96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR48

Project Number: 609666.01.0008

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR48	2"	9.41	9.79	0.38	10.18	10.20	0.02

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	2 min	2 min				
LPH Removed (Litre)	3/4	1/8				
H20 Removed (Litre)	1/4	1/4				
D.T.P.	9.88	10.18				
D.T.W.	9.96	10.20				
LPH Thickness	0.08	0.02				
LPH Discription	dark brown	dark brown				

Total Litre's removed: 7/8

Disposal method: drum

~~Well tags~~, caps, ~~locks~~ in place: yes

Condition of well box: OK

Comments:

Date: 9-18-96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR53

Project Number: 609666.01.0008

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR53	2"	9.20	9.58	0.38	—	9.80	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	1/2					
H20 Removed (Litre)	1/4					
D.T.P.	—					
D.T.W.	9.80					
LPH Thickness	—					
LPH Discription	dark brown					

Total Litre's removed: 1/2

Disposal method: drums

~~Well tags~~, caps, ~~locks~~ in place: Yes

Condition of well box: OK

Comments:

Date: 9-18-96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR61

Project Number: 609666.01.0008

Personnel: R. Buniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR61	2"	9.57	9.95	0.38	9.85	9.86	0.01

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	2 min	2 min				
LPH Removed (Litre)	1/2	1/4				
H20 Removed (Litre)	1/2	1/4				
D.T.P.	9.72	9.85				
D.T.W.	9.87	9.86				
LPH Thickness	0.15	0.01				
LPH Discription	mod. brown	mod. brown				

Total Litre's removed: 3/4

Disposal method: drums

~~Well tags~~, caps, ~~locks~~ in place: yes

Condition of well box: OK

Comments:

Date: 9-18-96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR64

Project Number: 609660.01.0008

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR64	2"	10.11	10.96	0.85	9.89	9.92	0.03

Passive Skimmer Data

Skimmer In Well	(Yes/No)	~~N~~ yes
Quantity of LPH Collected	(Litre)	~~N~~ 1/4 Liter (skimmer full)
Quantity of H20 Collected	(Litre)	~~N~~ None

Purging Data

Purge Time	3 min	2 min				
LPH Removed (Litre)	1 1/4	1/4				
H20 Removed (Litre)	3/4	1/4				
D.T.P.	10.01	9.89				
D.T.W.	~~N~~ 10.14	9.92				
LPH Thickness	0.13	0.03				
LPH Discription	medium brown	medium brown				

Total Litre's removed: 1 1/2

Disposal method: drum

~~Well tags~~, caps, ~~locks~~ in place: yes

Condition of well box: OK

Comments:

Date: 9-18-96

LPH REMOVAL/PURGE FORM

Project Name: Nestle

Well Number: PR67

Project Number: 609966.01.0008

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR67	2"	8.82	8.89	0.07	—	9.25	-

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	N/A
Quantity of H20 Collected	(Litre)	N/A

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	1/4					
H20 Removed (Litre)	1/2					
D.T.P.	—					
D.T.W.	9.25					
LPH Thickness	—					
LPH Discription	med. brown					

Total Litre's removed: 1/4

Disposal method: drum

~~Well tags~~, caps, ~~locks~~ in place: yes

Condition of well box: OK

Comments:

Appendix B

Laboratory Analytical Report

NESTLÉ USA, INC.

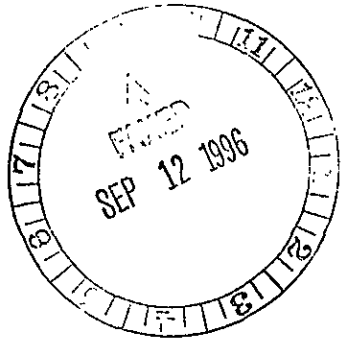
QUALITY ASSURANCE LABORATORY

PO BOX 1516
6625 EITERMAN ROAD
DUBLIN, OH 43017-6516

TEL (614) 791-9144
FAX (614) 793-5353

Nestlé

- Laboratory Report -



Client: Binayak Acharya
Company: Nestle USA - Environmental Group

Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: Rinse Blank
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-01
LV#: 96SEP060-000

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	ND	µg/L	0.5	EPA 8020	9/4/96
Toluene	ND	µg/L	0.5	EPA 8020	9/4/96
Ethylbenzene	ND	µg/L	0.5	EPA 8020	9/4/96
m&p Xylenes	ND	µg/L	0.5	EPA 8020	9/4/96
o-Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Total Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	9/4/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/9/96
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	9/10/96
Chloromethane	ND	µg/L	0.5	EPA 8010	9/10/96
Vinyl Chloride	ND	µg/L	0.5	EPA 8010	9/10/96
Bromomethane	ND	µg/L	0.5	EPA 8010	9/10/96
Chloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	9/10/96
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
Methylene Chloride	ND	µg/L	0.5	EPA 8010	9/10/96
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Chloroform	3.0	µg/L	0.5	EPA 8010	9/10/96
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	9/10/96
1,2-Dichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Trichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96

ND: Not Detected

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY
PO BOX 1516
6625 EITERMAN ROAD
DUBLIN, OH 43017-6516
TEL (614) 791-9144
FAX (614) 793-5353

- Laboratory Report -

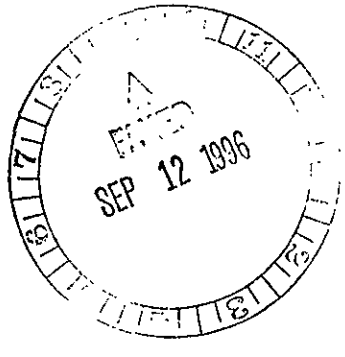
Client: Binayak Acharya
Company: Nestle USA - Environmental Group
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: Rinse Blank
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-01
LV#: 96SEP060-000

cc: Doug Oram - EA Engineering

1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	9/10/96
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	9/10/96
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	9/10/96
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	9/10/96
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	9/10/96
Bromoform	ND	µg/L	0.5	EPA 8010	9/10/96
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96
Chlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96



ND: Not Detected

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY
P.O. BOX 1516
6625 EITERMAN ROAD
DUBLIN, OH 43017-6516
TEL (614) 791-9144
FAX (614) 793-5353

- Laboratory Report -

Client: Binayak Acharya
Company: Nestle USA - Environmental Group

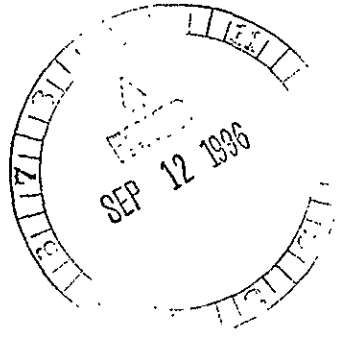
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-28
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-02
LV#: 96SEP060-001

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	ND	µg/L	0.5	EPA 8020	9/4/96
Toluene	ND	µg/L	0.5	EPA 8020	9/4/96
Ethylbenzene	ND	µg/L	0.5	EPA 8020	9/4/96
m&p Xylenes	ND	µg/L	0.5	EPA 8020	9/4/96
o-Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Total Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	9/4/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/9/96



ND: Not Detected

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- Laboratory Report -

Client: Binayak Acharya
Company: Nestle USA - Environmental Group

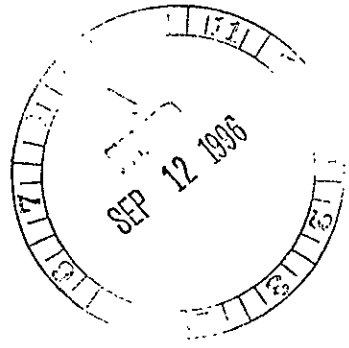
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-29
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-03
LV#: 96SEP060-002

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	ND	µg/L	0.5	EPA 8020	9/4/96
Toluene	ND	µg/L	0.5	EPA 8020	9/4/96
Ethylbenzene	ND	µg/L	0.5	EPA 8020	9/4/96
m&p Xylenes	ND	µg/L	0.5	EPA 8020	9/4/96
o-Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Total Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	9/4/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/10/96



ND: Not Detected

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FAX (614) 793-5353

- Laboratory Report -

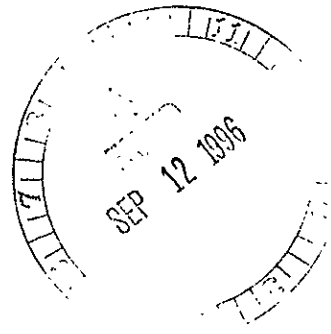
Client: Binayak Acharya
Company: Nestle USA - Environmental Group
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-25
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-04
LV#: 96SEP060-003

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	ND	µg/L	0.5	EPA 8020	9/4/96
Toluene	ND	µg/L	0.5	EPA 8020	9/4/96
Ethylbenzene	ND	µg/L	0.5	EPA 8020	9/4/96
m&p Xylenes	ND	µg/L	0.5	EPA 8020	9/4/96
o-Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Total Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Gasoline Range Organics	0.09	mg/L	0.05	CA-Luft	9/4/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/10/96



ND: Not Detected

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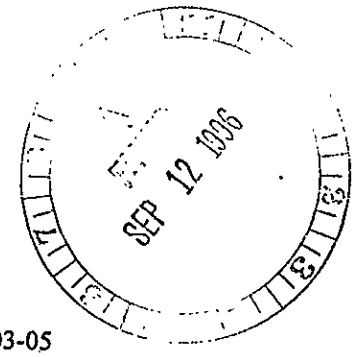

Client: Binayak Acharya
Company: Nestle USA - Environmental Group

Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-26
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-05
LV#: 96SEP060-004

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	8500	µg/L	0.5	EPA 8020	9/5/96
Toluene	26	µg/L	0.5	EPA 8020	9/5/96
Ethylbenzene	28	µg/L	0.5	EPA 8020	9/5/96
m&p Xylenes	66	µg/L	0.5	EPA 8020	9/5/96
o-Xylene	8.4	µg/L	0.5	EPA 8020	9/5/96
Total Xylene	74	µg/L	0.5	EPA 8020	9/5/96
Gasoline Range Organics	19	mg/L	0.05	CA-Luft	9/5/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/10/96
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	9/10/96
Chloromethane	ND	µg/L	0.5	EPA 8010	9/10/96
Vinyl Chloride	ND	µg/L	0.5	EPA 8010	9/10/96
Bromomethane	ND	µg/L	0.5	EPA 8010	9/10/96
Chloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	9/10/96
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
Methylene Chloride	ND	µg/L	0.5	EPA 8010	9/10/96
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Chloroform	ND	µg/L	0.5	EPA 8010	9/10/96
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	9/10/96
1,2-Dichloroethane	160	µg/L	0.5	EPA 8010	9/10/96
Trichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96

ND: Not Detected

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- Laboratory Report -

Client: Binayak Acharya
Company: Nestle USA - Environmental Group

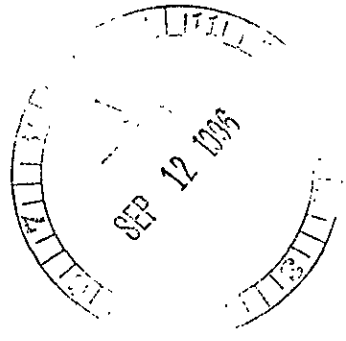
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-26
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-05
LV#: 96SEP060-004

cc: Doug Oram - EA Engineering

1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	9/10/96
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	9/10/96
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	9/10/96
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	9/10/96
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	9/10/96
Bromoform	ND	µg/L	0.5	EPA 8010	9/10/96
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96
Chlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96



ND: Not Detected

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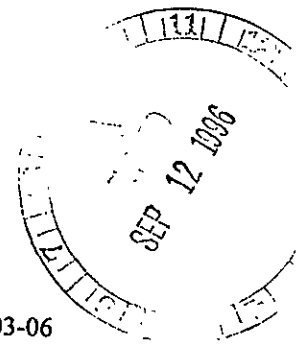

Client: Binayak Acharya
Company: Nestle USA - Environmental Group
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-32
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-06
LV#: 96SEP060-005

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	150	µg/L	0.5	EPA 8020	9/5/96
Toluene	ND	µg/L	0.5	EPA 8020	9/5/96
Ethylbenzene	49	µg/L	0.5	EPA 8020	9/5/96
m&p Xylenes	ND	µg/L	0.5	EPA 8020	9/5/96
o-Xylene	ND	µg/L	0.5	EPA 8020	9/5/96
Total Xylene	ND	µg/L	0.5	EPA 8020	9/5/96
Gasoline Range Organics	0.70	mg/L	0.05	CA-Luft	9/5/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/10/96
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	9/10/96
Chloromethane	1.0	µg/L	0.5	EPA 8010	9/10/96
Vinyl Chloride	ND	µg/L	0.5	EPA 8010	9/10/96
Bromomethane	ND	µg/L	0.5	EPA 8010	9/10/96
Chloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	9/10/96
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
Methylene Chloride	ND	µg/L	0.5	EPA 8010	9/10/96
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Chloroform	ND	µg/L	0.5	EPA 8010	9/10/96
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	9/10/96
1,2-Dichloroethane	27	µg/L	0.5	EPA 8010	9/10/96
Trichloroethene	ND	µg/L	0.5	EPA 8010	9/10/96

ND: Not Detected

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- Laboratory Report -

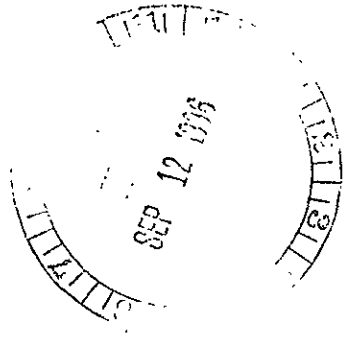
Client: Binayak Acharya
Company: Nestle USA - Environmental Group
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-32
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-06
LV#: 96SEP060-005

cc: Doug Oram - EA Engineering

1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	9/10/96
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	9/10/96
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	9/10/96
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	9/10/96
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	9/10/96
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	9/10/96
Bromoform	ND	µg/L	0.5	EPA 8010	9/10/96
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	9/10/96
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96
Chlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	9/10/96



ND: Not Detected

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- Laboratory Report -

Client: Binayak Acharya
Company: Nestle USA - Environmental Group

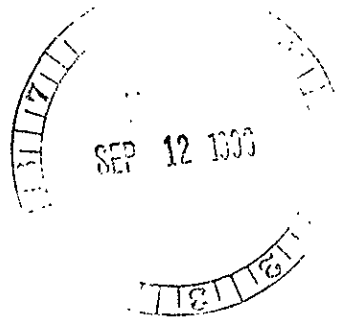
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-2
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-07
LV#: 96SEP060-006

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	ND	µg/L	0.5	EPA 8020	9/5/96
Toluene	ND	µg/L	0.5	EPA 8020	9/5/96
Ethylbenzene	ND	µg/L	0.5	EPA 8020	9/5/96
m&p Xylenes	ND	µg/L	0.5	EPA 8020	9/5/96
o-Xylene	ND	µg/L	0.5	EPA 8020	9/5/96
Total Xylene	ND	µg/L	0.5	EPA 8020	9/5/96
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	9/5/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/10/96



ND: Not Detected

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- Laboratory Report -

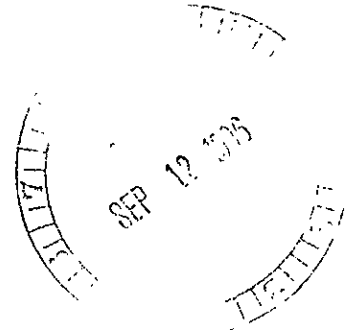
Client: Binayak Acharya
Company: Nestle USA - Environmental Group
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-6
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-08
LV#: 96SEP060-007

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	ND	µg/L	0.5	EPA 8020	9/5/96
Toluene	ND	µg/L	0.5	EPA 8020	9/5/96
Ethylbenzene	ND	µg/L	0.5	EPA 8020	9/5/96
m&p Xylenes	ND	µg/L	0.5	EPA 8020	9/5/96
o-Xylene	ND	µg/L	0.5	EPA 8020	9/5/96
Total Xylene	ND	µg/L	0.5	EPA 8020	9/5/96
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	9/5/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/10/96



ND: Not Detected

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- Laboratory Report -

Client: Binayak Acharya
Company: Nestle USA - Environmental Group

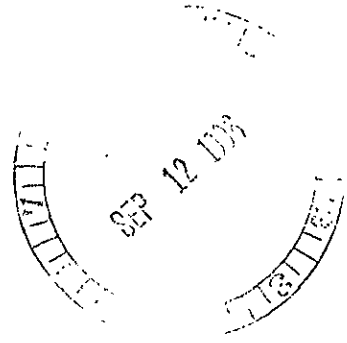
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-30
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-09
LV#: 96SEP060-008

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	ND	µg/L	0.5	EPA 8020	9/5/96
Toluene	ND	µg/L	0.5	EPA 8020	9/5/96
Ethylbenzene	ND	µg/L	0.5	EPA 8020	9/5/96
m&p Xylenes	ND	µg/L	0.5	EPA 8020	9/5/96
o-Xylene	ND	µg/L	0.5	EPA 8020	9/5/96
Total Xylene	ND	µg/L	0.5	EPA 8020	9/5/96
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	9/5/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/10/96



ND: Not Detected

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- Laboratory Report -

Client: Binayak Acharya
Company: Nestle USA - Environmental Group
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: MW-3
Submitted by EA Engineering
PO/Ref/Disp#:

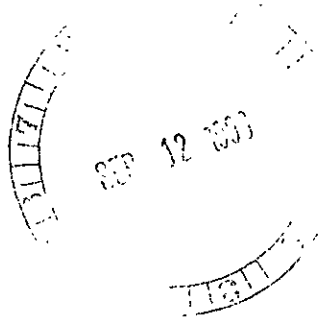
Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-10
LV#: 96SEP060-009

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	420	µg/L	0.5	EPA 8020	9/5/96
Toluene	29	µg/L	0.5	EPA 8020	9/5/96
Ethylbenzene	44	µg/L	0.5	EPA 8020	9/5/96
m&p Xylenes	17	µg/L	0.5	EPA 8020	9/5/96
o-Xylene	11	µg/L	0.5	EPA 8020	9/5/96
Total Xylene	28	µg/L	0.5	EPA 8020	9/5/96
Gasoline Range Organics	0.90	mg/L	0.05	CA-Luft	9/5/96
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	9/10/96

ND: Not Detected



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FAX (614) 793-5353

- Laboratory Report -

Client: Binayak Acharya
Company: Nestle USA - Environmental Group

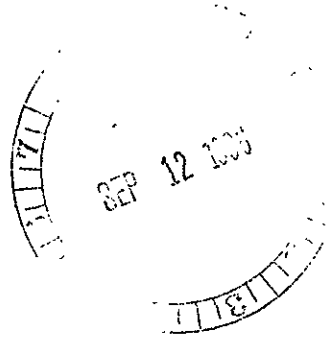
Sample Description: Oakland, CA Quarterly Monitoring Project
Sample ID: Trip Blank
Submitted by EA Engineering
PO/Ref/Disp#:

Sample Received: 8/30/96
Report Date: 9/11/96
Sampling Date 8/29/96

Lab#: 96SEP0003-11
LV#: 96SEP060-010

cc: Doug Oram - EA Engineering

Test	Result	Units	MDL	Method	Date Analyzed
Benzene	ND	µg/L	0.5	EPA 8020	9/4/96
Toluene	ND	µg/L	0.5	EPA 8020	9/4/96
Ethylbenzene	ND	µg/L	0.5	EPA 8020	9/4/96
m&p Xylenes	ND	µg/L	0.5	EPA 8020	9/4/96
o-Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Total Xylene	ND	µg/L	0.5	EPA 8020	9/4/96
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	9/4/96



ND: Not Detected

Approved By: John R Heuser