OWENS-BROCKWAY GLASS CONTAINER
ENVIRONMENTAL AFFAIRS - WESTERN REGION
P.O. Box 1019
3600 Alameda Ave.
Oakland, CA 94604

RO289

DATE: 3/5/03

FACSIMILE TRANSMITTAL

TIME: 12:30p

FAX NO: 510-337-9335

PLEASE DELIVER THIS TELECOPY **IMMEDIATELY**

TO: Amir Gholami - Alameda County Health Care Services

CC:

FROM: BOB NEAL - Environmental Administrator

FAX #: 510-436-2036
PHONE #: 510-436-2174

THIS IS PAGE 1 OF 9 PAGES.

SUBJECT: Information Requested through Kennedy-Jenks

MESSAGE: Pls. note my e-mail address is robert.neal@owens-ill.com. I have completed your questionaire and sent supporting data tables to provide the details requested. If you have questions, please give me a call.

I talked with Barney yesterday about the transfer of this site to your case load. A meeting with you to discuss the current status and additional planned work would be appropriate when you can schedule a meeting. We now have a long-awaited encroachment permit from the City of Oakland and plan to proceed with the installation of MW-19 adjacent to the estuary.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RE: Owen Brockway Glass, 3600 Alameda Ave Oakland

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700 Fax (510) 337-9335

Dear Madam or Sir:

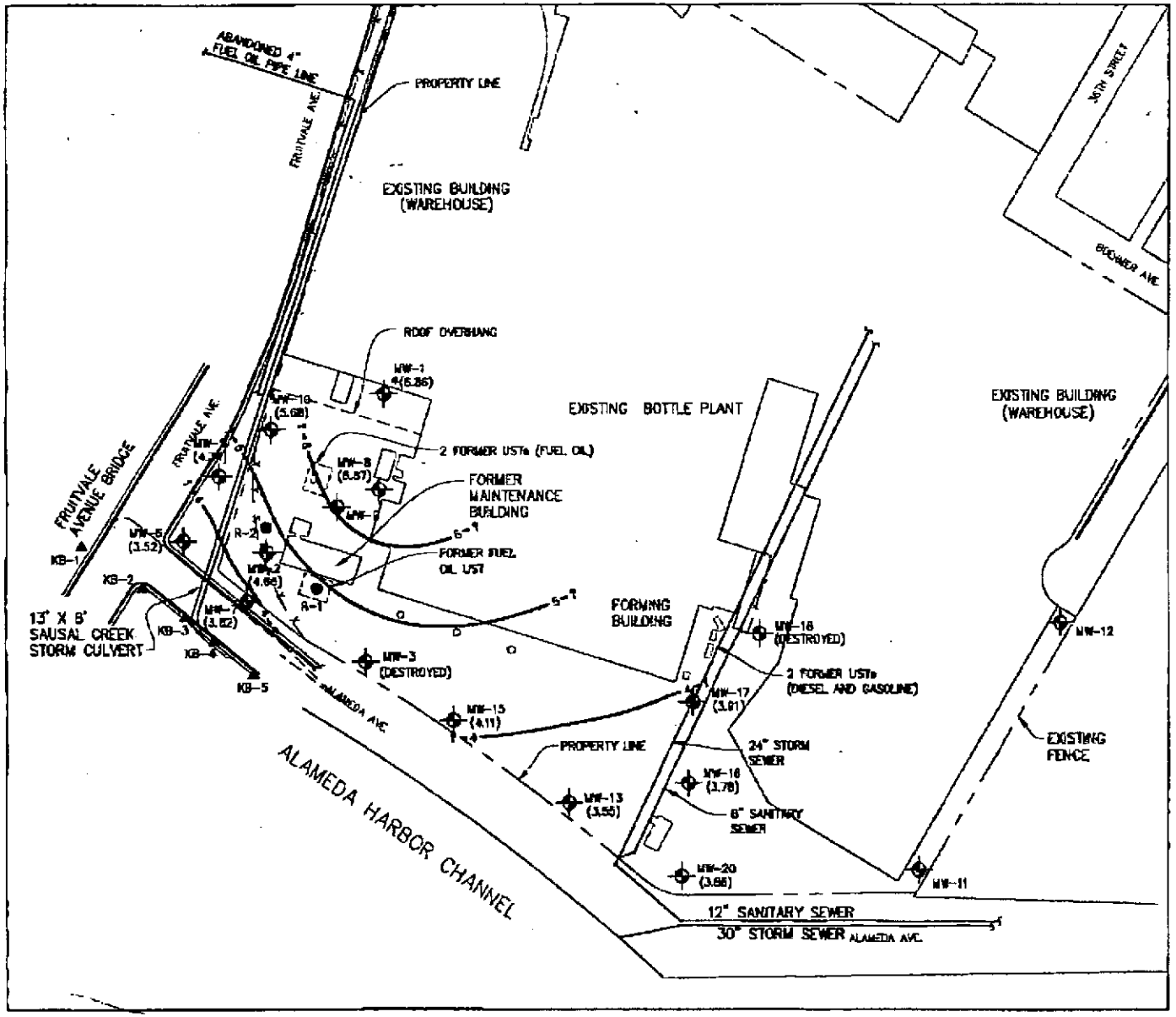
Please be advised that I have been recently assigned to oversee the above referenced site. Therefore, all documents, reports, and correspondences should be addressed to my attention. In fact, I have received numerous other "new cases", which I need to get familiar with and proceed forward as soon as practicable. In order to keep continuity and to reduce confusion, I will try to follow up on the work/guidelines previously requested by my colleague of this office.
However, to expedite this so called "familiarization" process, please fill out and submit to me the attached table as soon as possible. Please fill out the attached table with the latest information regarding the chemical concentrations. If you have any questions, please call me at (510)-567-6876. Thank you very much for your cooperation.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

Depth to groundwater	9-15 feet
Groundwater flow gradient and speed	South toward the estuary. Figure 3
Benzene (ppb)	
Toluene (ppb)	
Ethylbenzene (ppb)	
Xylene (ppb)	
MTBE (ppb) None detected MW-20 on 4/6/01	See Summary Table 2
TPHg (ppb)	
TPHd (ppb)	
Solvents if any (ppb)	None
Heavy Metals if any	None
Well Screen levels (for each monitoring well)	See attached Table 1.
Date information collected for concentrations	1986—2002
Plume Stability: Increasing or decreasing or stable?	Stable
Any "Active Remediation" occuring presently or past?	Former recovery wells. Static absorbent socks.
Other Pertinent Information regarding this site(use space below if needed)	Encroachment permit for Well #19 has been obtained from the City of Oakland.

Please fill out one form for each site indicated above and email me back, thanks



FILE: N:\95.lab\950007.40\Jan03\3.dwg
XREF: N:\95.lab\950007.40\Siteplan.dwg

N

0 136 272

Approximate Graphic Scale in Feet

LEGEND

MW-2	GROUNDWATER MONITORING WELL
R-1	FORMER PRODUCT RECOVERY WELL
KB-5	SOIL BORING – JANUARY 1999
4 (5.68)	GROUNDWATER ELEVATION ISOCONTOUR LINE GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL, BASED ON 05 DECEMBER 2002 DEPTH TO WATER MEASUREMENTS (NOT CORRECTED FOR PRESENCE OF FREE PRODUCT)
(NM)	NOT MEASURED
*	NOT CONTOURED, DEPTH TO GROUNDWATER WAS MEASURED ON 6 DECEMBER 2002

SOURCE

SITE PLAN FOR SOIL AND GROUNDWATER INVESTIGATION; EXCELTECH, FEBRUARY 1987.

NOTE

GROUNDWATER ELEVATION CONTOURS LINES ARE INFERRED.

Kennedy/Jenks Consultants

Owens Brockway
Oakland, California

Groundwater Elevation Isocontours

K/J 950007.40
January 2003
Figure 3

Table 1: Summary of Well Construction Details

Well Number	Date Installed	Measurement Elevation[(a)]	Top of Screen[(b)]	Screen Length	Well Depth[(c)]	Casing Diameter (inches)	Comments
MW-1	9/12/86	16.02	8	21	29	2	
MW-2	9/12/86	17.11	10	20	30	2	
MW-3	9/12/86	15.46	10	20	30	2	Destroyed
MW-4	9/29/86	16.02	8.5	20	28.5	2	TOCE = 18.05 (11/88 report)
MW-5	9/29/96	16.19	8.5	20	28.5	2	
MW-6	9/29/96	17.48	12.5	16	28.5	2	
MW-7	9/30/86	16.11	12.5	11	23.5	2	TOCE = 15.76 (11/88 report)
MW-8	10/22/86	16.57	15	13.5	28.5	2	
MW-9	7/23/86	7.33[(d)]	5	10	20	2	
MW-10	10/22/86	15.96	10	15	25	2	
MW-11	11/24/86	13.99	10	20	30	2	
MW-12	11/24/86	13.83	11	15	26	2	
MW-13	12/11/86	13.98	9.5	15	24.5	2	
MW-14	11/25/86	14.78	10	15	25	2	Destroyed 12/1/00
MW-15	12/17/86	15.16	9.5	20	29.5	2	
MW-16	12/12/86	13.48	10	14.5	24.5	2	
MW-17	12/15/86	14.17	9.5	15	24.5	2	
MW-18	12/15/86	14.89	9	15	24	2	Destroyed
MW-20	12/1/00	12.74	6.9	15	21.9	2	
R-1	1987	NM[(e)]	NA[(f)]	NA	24	36	Closed 7/01
R-2	1989	NM	NA	NA	NA	12	Closed 7/01

(a) Top of casing elevation (TOCE) except where noted; measured in feet above US Coast and Geodetic Datum (mean sea level). Elevations measured by Exceltech in 1986, and by PLS Surveys for MW-20 in 2000.
(b) Depth to top of screened interval (feet below top of casing).
(c) Depth to bottom of screened interval (feet below top of casing).
(d) Well casing elevation was not measured for this well; well is located beneath forklift ramp and this measurement is the ground surface elevation in feet MSL.
(e) NM = Not measured.
(f) NA = Not available.

Table 2: Summary of Groundwater Analytical Results

Well Number	Date Sampled	TPPH[a] (µg/l)[h]	TEPH[b] (mg/l)	O&G[c] (mg/l)	B[d] (µg/l)	T[e] (µg/l)	E[f] (µg/l)	X[g] (µg/l)
MW-1	9/23/86	<0.01[i]	NA[j]	25	<10	<10	NA	<10
	4/9/87	BDL[k]	NA	NA	BDL	BDL	NA	BDL
	9/16/87[l]	–	–	–	–	–	–	–
	12/1/87[l]	–	–	–	–	–	–	–
	3/7/88[l]	–	–	–	–	–	–	–
	6/8/88[l]	–	–	–	–	–	–	–
	9/14/88[l]	–	–	–	–	–	–	–
	9/16/97	<50	0.19[r]	NA	<0.5	<0.5	<0.5	<0.5
	11/2/98	<50	0.16[r][u]	NA	<0.5	<0.5	<0.5	<0.5
	12/11/01[l]	–	–	–	–	–	–	–
	12/6/02	<50	0.069[r]	NA	<0.5	<0.5	<0.5	<0.5
MW-2	4/9/87[m]	–	–	–	–	–	–	–
	9/16/87[m]	–	–	–	–	–	–	–
	12/1/87[m]	–	–	–	–	–	–	–
	3/7/88[l]	–	–	–	–	–	–	–
	6/8/88[l]	–	–	–	–	–	–	–
	9/14/88[l]	–	–	–	–	–	–	–
	9/16/97[m]	–	–	–	–	–	–	–
	11/2/98[m]	–	–	–	–	–	–	–
	12/11/01[m]	–	–	–	–	–	–	–
	12/5/02[m]	–	–	–	–	–	–	–
MW-3[n]	9/23/86	<10	NA	18	<10	<10	NA	<10
	4/9/87	370	NA	NA	BDL	BDL	NA	BDL
	9/16/87[m]	–	–	–	–	–	–	–
	12/1/87[m]	–	–	–	–	–	–	–
	3/7/88	NA	190	NA	NA	NA	NA	NA
	6/9/88	NA	16	NA	NA	NA	NA	NA
	9/14/88[m]	–	–	–	–	–	–	–
MW-4	10/3/86	20	NA	7.2	<5	<5	NA	<5
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL
	9/16/87	1.3	0.66	NA	BDL	BDL	NA	BDL
	12/1/87	BDL	0.100	NA	BDL	BDL	NA	8.9
	3/7/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	9/14/88	BDL	0.100	NA	BDL	BDL	NA	BDL
MW-5	10/3/86	1,400	NA	24	<5	<5	NA	6.6
	4/9/87	54	NA	NA	BDL	BDL	NA	BDL
	9/16/87	NA	96	NA	NA	NA	NA	NA
	12/1/87	NA	2	NA	NA	NA	NA	NA
	3/9/88	NA	BDL	NA	NA	NA	NA	NA
	6/9/88	NA	12	NA	NA	NA	NA	NA
	9/14/88	NA	6.3	NA	NA	NA	NA	NA
	9/16/97	<50	11.6[r]	NA	<0.5	<0.5	<0.5	<0.5
	11/2/98[m]	–	–	–	–	–	–	–
	12/6/00	1,000	11.7[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/12/01	360[q]	10[r]	NA	<0.5	<0.5	<0.5	<0.5

Table 2: Summary of Groundwater Analytical Results

Well Number	Date Sampled	TPPH[a] (µg/l)[h]	TEPH[b] (mg/l)	O&G[c] (mg/l)	B[d] (µg/l)	T[e] (µg/l)	E[f] (µg/l)	X[g] (µg/l)
MW-5 Cont'd	12/6/02	150[q]	5.2[r]	NA	<0.5	<0.5	<0.5	<0.5
MW-6	4/9/87[m]	–	–	–	–	–	–	–
	9/16/87	NA	400	NA	NA	NA	NA	NA
	12/1/87	NA	30	NA	NA	NA	NA	NA
	3/9/88	NA	9.8	NA	NA	NA	NA	NA
	6/9/88	NA	63	NA	NA	NA	NA	NA
	9/14/88	NA	140	NA	NA	NA	NA	NA
	9/16/97[m]	–	–	–	–	–	–	–
	11/2/98[m]	–	–	–	–	–	–	–
	12/11/01[m]	–	–	–	–	–	–	–
	12/6/02[m]	–	–	–	–	–	–	–
MW-7	10/3/86	260	NA	8	<5	<5	NA	<5
	4/9/87[m]	–	–	–	–	–	–	–
	9/16/87	NA	790	NA	NA	NA	NA	NA
	12/1/87	NA	5.3	NA	NA	NA	NA	NA
	3/9/88	NA	BDL	NA	NA	NA	NA	NA
	6/9/88	NA	12	NA	NA	NA	NA	NA
	9/14/88	NA	67	NA	NA	NA	NA	NA
	9/16/97	850	37[r]	NA	<0.5	<0.5	<0.5	<0.5
	11/2/98[m]	–	–	–	–	–	–	–
	12/6/00	540	3.58[r]	NA	<0.5	<0.5	<0.5	1.9
	12/12/01	1,200[q]	12.6[r]	NA	<1.0	<1.0	<1.0	<1.0
	12/6/02	480[q]	27.6[r][s]	NA	<0.5	<0.5	<0.5	<0.5
MW-8	10/23/86	1,300	NA	14	<0.2	<0.2	NA	<1
	4/9/87	73	NA	NA	BDL	BDL	NA	BDL
	9/16/87[m]	–	–	–	–	–	–	–
	12/1/87	NA	0.630	NA	NA	NA	NA	NA
	3/9/88	NA	2.6	NA	NA	NA	NA	NA
	6/9/88	NA	1.7	NA	NA	NA	NA	NA
	9/14/88	NA	0.150	NA	NA	NA	NA	NA
	8/12/97[m]	–	–	–	–	–	–	–
	9/16/97	<50	0.29[r]	NA	<0.5	<0.5	<0.5	<0.5
	11/2/98	<50	1.3[r][u]	NA	<0.5	<0.5	<0.5	<0.5
	12/6/00	<50	0.16[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/11/01	<50	<0.05	NA	<0.5	<0.5	<0.5	<0.5
	12/5/02	55[q]	0.17[r]	NA	<0.5	<0.5	<0.5	<0.5
MW-9	4/9/87[m]	–	–	–	–	–	–	–
	9/16/87	NA	1.3	NA	NA	NA	NA	NA
	12/1/87	NA	18	NA	NA	NA	NA	NA
	3/9/88	NA	47	NA	NA	NA	NA	NA
	6/8/88[m]	–	–	–	–	–	–	–
	9/14/88[m]	–	–	–	–	–	–	–
	9/16/97	6,000	28[r]	NA	<13	<13	<13	18
	11/2/98[m]	–	–	–	–	–	–	–
	12/6/00	790	102[r][s]	NA	<0.5	<0.5	<0.5	<0.5
	12/11/01[l]	–	–	–	–	–	–	–

Table 2: Summary of Groundwater Analytical Results

Well Number	Date Sampled	TPPH[a] (µg/l)[h]	TEPH[b] (mg/l)	O&G[c] (mg/l)	B[d] (µg/l)	T[e] (µg/l)	E[f] (µg/l)	X[g] (µg/l)
MW-9 Cont'd	12/5/02[l]	--	--	--	--	--	--	--
MW-10	10/23/86	380	NA	7.2	<0.2	<0.2	NA	<0.2
	4/9/87	300	NA	NA	BDL	BDL	NA	BDL
	9/16/87	NA	3.8	NA	NA	NA	NA	NA
	12/1/87	NA	0.59	NA	NA	NA	NA	NA
	3/8/88	NA	BDL	NA	NA	NA	NA	NA
	6/8/88	NA	3.8	NA	NA	NA	NA	NA
	9/14/88	NA	0.57	NA	NA	NA	NA	NA
	9/16/97	<50	1.3[r]	NA	<0.5	<0.5	<0.5	<0.5
	11/2/98	<50	1.4[r][u]	NA	<0.5	<0.5	<0.5	<0.5
	12/6/00	150	0.73[r]	NA	<0.5	<0.5	<0.5	0.70
	12/6/00(dup)	160	0.81[r]	NA	<0.5	<0.5	<0.5	0.71
	12/11/01	210[q]	0.63[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/11/01 (MW-DUP)	160[q]	0.62[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/5/02	210[q]	0.84[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/5/02 (MW-DUP)	<50	0.75[r]	NA	<0.5	<0.5	<0.5	<0.5
MW-11	12/5/86	<8	NA	1.2	<0.4	<0.4	NA	1.4
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL
	9/16/87	BDL	NA	NA	BDL	BDL	NA	BDL
	12/1/87	BDL	NA	NA	0.8	BDL	NA	10
	3/7/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	9/14/88	BDL	100	NA	BDL	BDL	NA	BDL
MW-12	12/5/86	100	NA	2.5	0.49	1	NA	1.3
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL
	9/16/87	BDL	NA	NA	BDL	BDL	NA	BDL
	12/1/87	BDL	NA	NA	BDL	BDL	NA	13
	3/7/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	9/14/88	BDL	0.12	NA	BDL	BDL	NA	BDL
MW-13	12/24/86	<10	NA	57	<0.2	<0.9	NA	<0.9
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL
	9/16/87	BDL	NA	NA	BDL	BDL	NA	BDL
	12/1/87	BDL	NA	NA	1.6	BDL	NA	12
	3/8/88	7.7	BDL	NA	BDL	BDL	NA	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	9/14/88	BDL	0.13	NA	BDL	BDL	NA	BDL
	9/16/97	<50	0.12[r]	NA	<0.5	<0.5	<0.5	<0.5
	11/2/98	<50	0.12[r][u]	NA	<0.5	<0.5	<0.5	<0.5
	12/6/00	<50	0.20[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/11/01	<50	0.091[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/5/02	<50	0.19[r]	NA	<0.5	<0.5	<0.5	<0.5
MW-14[n]	12/5/86[o]	<8	NA	3.2	<0.4	<0.2	NA	<0.2
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL

Table 2: Summary of Groundwater Analytical Results

Well Number	Date Sampled	TPPH[a] (µg/l)[h]	TEPH[b] (mg/l)	O&G[c] (mg/l)	B[d] (µg/l)	T[e] (µg/l)	E[f] (µg/l)	X[g] (µg/l)
MW-14[n] Cont'd	9/16/87	1.7	0.056	NA	BDL	BDL	NA	BDL
	12/1/87	BDL	0.066	NA	1.2	4	NA	10
	3/7/88	20	BDL	NA	BDL	BDL	NA	BDL
	6/8/88[l]	–	–	–	–	–	–	–
	9/14/88[l]	–	–	–	–	–	–	–
MW-15	12/24/86	120	NA	1.6	<0.2	<0.9	NA	9.2
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL
	9/16/87	8.4	BDL	NA	BDL	BDL	NA	BDL
	12/1/87	BDL	NA	NA	3.3	0.84	NA	14
	3/8/88	90	BDL	NA	0.8	BDL	NA	BDL
	6/9/88	53	BDL	NA	BDL	BDL	NA	BDL
	9/14/88	NA	0.10	NA	NA	NA	NA	NA
	9/16/97	<50	1.27[r]	NA	<0.5	<0.5	<0.5	<0.5
	11/2/98	<50	0.34[r][u]	NA	<0.5	<0.5	<0.5	<0.5
	12/6/00	<50	0.40[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/11/01	<50	0.29[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/5/02	<50	0.44[r]	NA	<0.5	<0.5	<0.5	<0.5
MW-16	12/24/86	<10	NA	1.2	<0.2	<0.9	NA	<0.9
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL
	9/16/87	BDL	0.064	NA	BDL	BDL	NA	BDL
	12/1/87	120	0.15	NA	1	0.37	NA	9.1
	3/7/88	10	BDL	NA	0.5	BDL	NA	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	9/14/88	BDL	0.19	NA	BDL	BDL	NA	BDL
	9/16/97[m]	–	–	–	–	–	–	–
	12/6/00	<50	0.097[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/11/01	<50	<0.05	NA	<0.5	<0.5	<0.5	<0.5
	12/5/02	<50	0.051[r]	NA	<0.5	<0.5	<0.5	<0.5
MW-17	12/24/86	240	NA	2.4	5	1.2	NA	14
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL
	9/16/87	44	0.680	NA	BDL	BDL	NA	0.55
	12/1/87	540	1.3	NA	7.8	2.4	NA	28
	3/8/88	4,300	3.8	NA	83	BDL	NA	46
	6/8/88[l]	–	–	–	–	–	–	–
	9/14/88	54,000	64	NA	BDL	BDL	NA	BDL
	9/16/97	1,900	119.6[r]	NA	<0.5	<0.5	<0.5	<0.5
	11/2/98	<50	16[r][u]	NA	<0.5	<0.5	<0.5	0.6
	12/6/00[p]	340	47.8[r][s]	NA	<0.5	<0.5	<0.5	<0.5
	12/11/01	5,300[q]	101[r][s]	NA	<10	<10	<10	<10
	12/5/02	700[q]	71[r][s]	NA	<0.5	<0.5	<0.5	<0.5
MW-18[n]	12/24/86	<20	NA	1.6	<0.3	<0.3	NA	0.99
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL
	9/16/87	BDL	0.480	NA	BDL	BDL	NA	BDL
	12/1/87	BDL	0.18	NA	BDL	BDL	NA	6.6
	3/7/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	NA	BDL
	9/14/88	BDL	0.190	NA	BDL	BDL	NA	BDL

Table 2: Summary of Groundwater Analytical Results

Well Number	Date Sampled	TPPH[a] (µg/l)[h]	TEPH[b] (mg/l)	O&G[c] (mg/l)	B[d] (µg/l)	T[e] (µg/l)	E[f] (µg/l)	X[g] (µg/l)
MW-20	12/11/00	<50	0.11[r]	NA	<0.5	<0.5	<0.5	<0.5
	4/6/01[t]	<50	0.057[r]	NA	<0.5	<0.5	<0.5	<0.5
	7/6/01	<50	0.12[r]	NA	<0.5	<0.5	<0.5	<0.5
	9/19/01	<50	0.16[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/11/01	86[q]	0.082[r]	NA	<0.5	<0.5	<0.5	<0.5
	12/6/02	<50	0.085[r]	NA	<0.5	<0.5	<0.5	<0.5

(a) TPPH = Total purgeable petroleum hydrocarbons using EPA Method 8015 modified.
(b) TEPH = Total extractable petroleum hydrocarbons using EPA Method 8015 modified.
(c) O&G = Total oil and grease.
(d) B = Benzene using EPA Method 8020
(e) T = Toluene using EPA Method 8020
(f) E = Ethylbenzene using EPA Method 8020
(g) X = Total xylenes using EPA Method 8020
(h) (µg/l) = Micrograms per liter; (mg/l) = milligrams per liter
(i) < = Analyte not present in the sample at or above the indicated detection limit.
(j) NA = Not analyzed.
(k) BDL = Below detection limit; actual limit not available for compilation of this table.
(l) Not sampled; well inaccessible.
(m) Not sampled; separate-phase petroleum product present.
(n) Well destroyed.
(o) Other volatile organic compounds were detected in the 12/5/86 sample collected from Well MW-14 using EPA Method 8010 (the sum of 1,1,2,2-tetrachloroethane, 1,1,1,2-tetrachloroethane and perchloroethene was 190 µg/l).
(p) Sample collected from MW-17 on 12/6/00 was also analyzed for MtBE. MtBE was not detected, with a detection limit of 25 µg/l (raised due to interference from non-target compounds).
(q) Hydrocarbon reported in the gasoline range does not match laboratory gasoline standard.
(r) Sample chromatographic patterns did not match laboratory standard for diesel.
(s) Sample surrogate recovery not reportable due to required dilution.
(t) Sample collected from MW-20 on 4/6/01 was also analyzed for MtBE. MtBE was not detected, with a detection limit of 5 µg/l.
(u) Value listed for samples collected in November 1998 is reported as extractable petroleum hydrocarbons as diesel only.