

Letter of Transmittal

SO. CENTRAL
DIVISION
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To: Mr. Bernie M. Chan
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

FROM: Stephanie Stehling
DATE: 16 March 1998
K/J #: 950007.10-N-80
SUBJECT: Owens Brockway Oakland Plant

VIA: Mail Overnight Courier Fax pgs. (inc. cover)

PLEASE FIND ENCLOSED:

Copies	Date	No.	Description
1			Draft - Site map showing groundwater elevation isocontours (Figure 3) and proposed boring locations (Figure 4)
1			Draft - Data tables

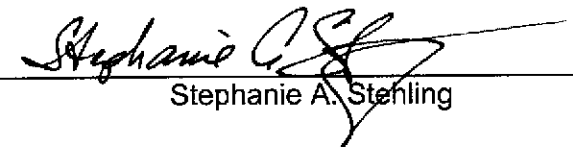
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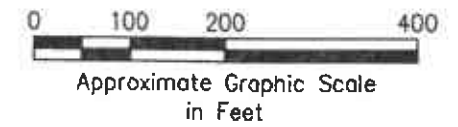
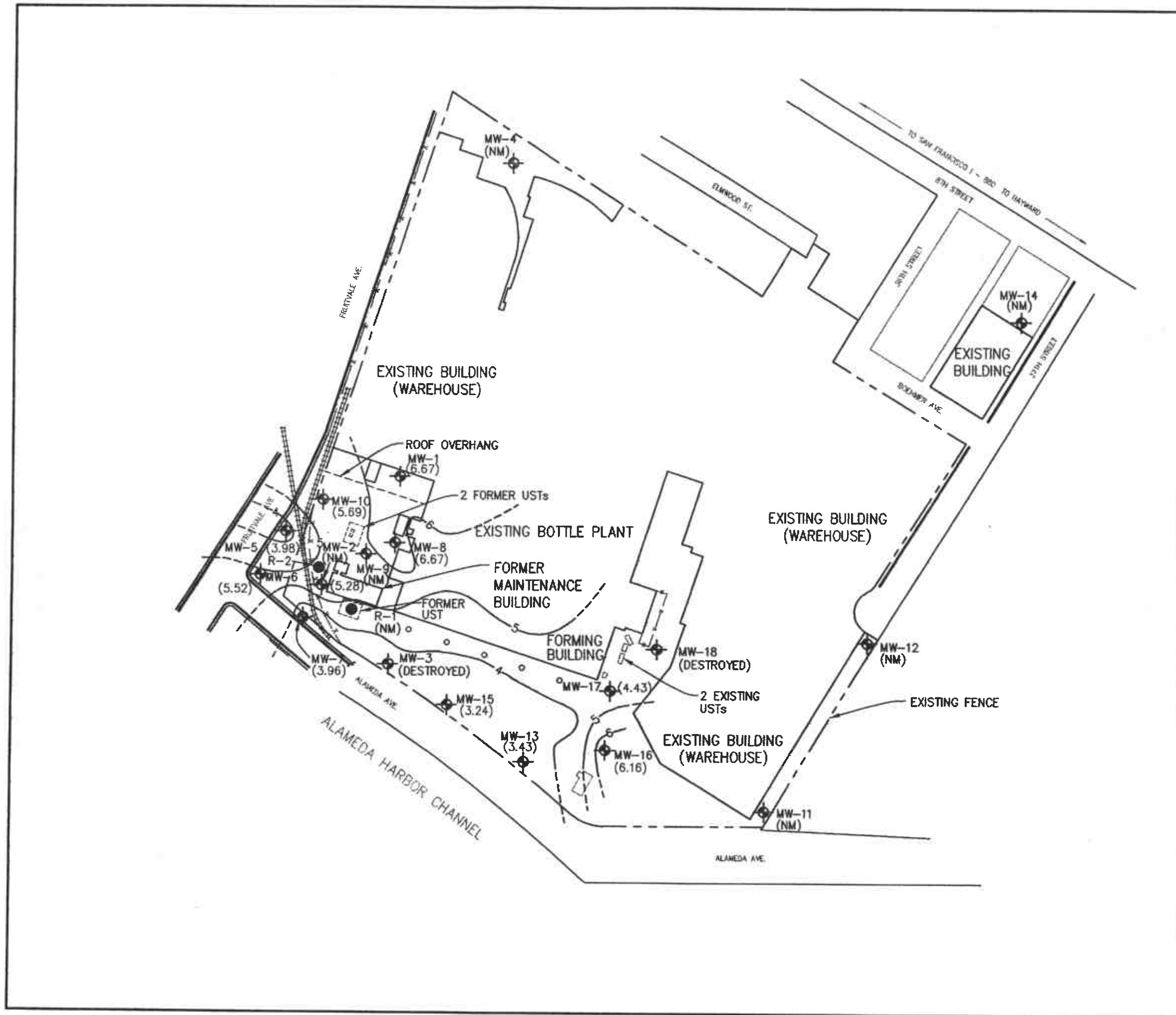
THESE ARE SUBMITTED AS CHECKED BELOW:

- As requested
- For information and coordination
- Return material when review complete
- Return after loan to us
- For approval by: _____ Return to: _____
- For review and comment by: _____ Return to: _____

REMARKS: As we discussed, Bob Neal of Owens Brockway would like you to review the proposed boring locations before we submit the final investigation work plan. Please call me at (415) 243-2522 at your convenience to discuss the proposed locations.

Copies to: file

Signed: 
Stephanie A. Stehling



LEGEND

- ⊕ MW-2 GROUNDWATER MONITORING WELL
- R-1 PRODUCT RECOVERY WELL
- GROUNDWATER ELEVATION ISOCONTOUR LINE
- (3.24) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL, BASED ON 16 SEPTEMBER 1997 DEPTH TO WATER MEASUREMENTS (NOT CORRECTED FOR PRESENCE OF FREE PRODUCT)
- (NM) NOT MEASURED

SOURCE

Site Plan for Soil and Groundwater Investigation, Exceltech, February 1987.

NOTE

Groundwater Elevation Contours Lines are inferred.

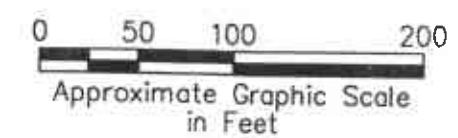
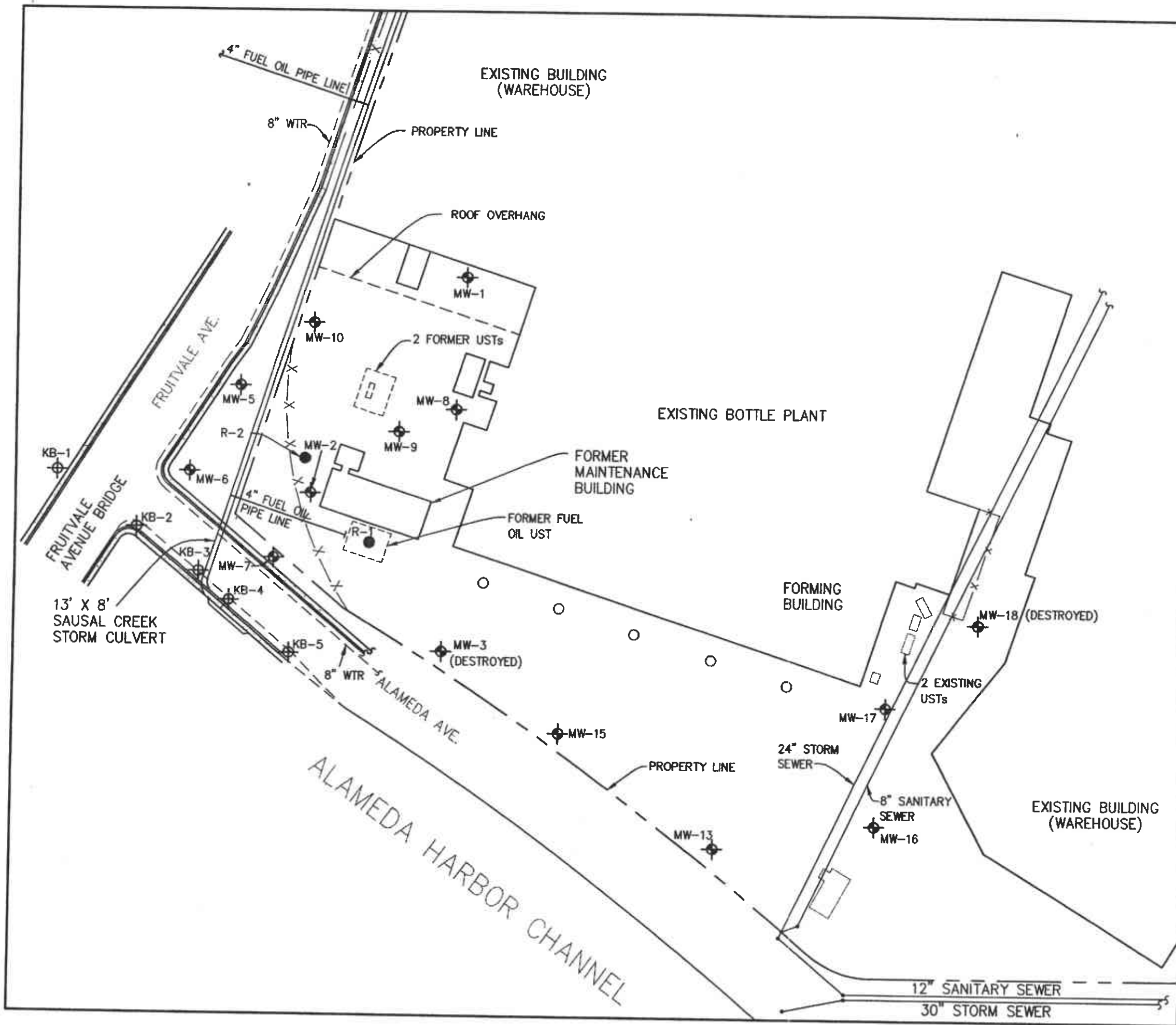
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DRAFT

Owens Brockway
Oakland, California

Groundwater Elevation Isocontours

K/J 950007.10
February 1998
Figure 3



LEGEND

- ⊕ MW-2 GROUNDWATER MONITORING WELL
- R-1 PRODUCT RECOVERY WELL
- ⊗ KB-1 PROPOSED SOIL BORING

SOURCE

Site Plan for Soil and Groundwater Investigation, Exceltech, February 1987.

Kennedy/Jenks Consultants

DRAFT

Owens Brockway
Oakland, California

Proposed Soil Borings

K/J 950007.10
February 1998
Figure 4

TABLE 1

Summary of Well Construction Details
 Owens-Brockway, Oakland, California
 K/J 950007.10

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	
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
R-1	1987	NM ^(e)	NA	NA	24	36	
R-2	1989	NM	NA	NA	NA	12	

Notes:

- (a) Top of casing elevation except where noted; measured in feet above US Coast and Geodetic Datum (mean sea level).
- (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

Owens-Brockway, Oakland, California

K/J 950007.10

Well Number	Date Sampled	TVH (µg/l)	TEH (µg/l)	O&G (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)
MW-1	9/23/86 ^(a)	<0.01 ^(b)	NA	25	<0.01	<0.01	-	<0.01
	4/9/87	BDL	NA	NA	BDL	BDL	NA	BDL
	9/16/87 ^(c)	-	-	-	-	-	-	-
	12/1/87 ^(c)	-	-	-	-	-	-	-
	3/7/88 ^(c)	-	-	-	-	-	-	-
	6/8/88 ^(c)	-	-	-	-	-	-	-
	9/14/88 ^(c)	-	-	-	-	-	-	-
	9/16/97 ^(d)	<50	190	<300	<0.5	<0.5	<0.5	<0.5
MW-2	4/9/87 ^(e)	-	-	-	-	-	-	-
	9/16/87 ^(e)	-	-	-	-	-	-	-
	12/1/87 ^(e)	-	-	-	-	-	-	-
	3/7/88 ^(f)	-	-	-	-	-	-	-
	6/8/88 ^(f)	-	-	-	-	-	-	-
	9/14/88 ^(g)	-	-	-	-	-	-	-
	8/12/97 ^(e)	-	-	-	-	-	-	-
	8/14/97 ^(e)	-	-	-	-	-	-	-
	8/26/97 ^(e)	-	-	-	-	-	-	-
	9/2/97 ^(e)	-	-	-	-	-	-	-
	9/9/97 ^(e)	-	-	-	-	-	-	-
	9/16/97 ^(e)	-	-	-	-	-	-	-
MW-3	9/23/86 ^(a)	<0.01	NA	18	<0.01	<0.01	-	<0.01
	4/9/87	370	-	-	BDL	BDL	-	BDL
	9/16/87 ^(e)	-	-	-	-	-	-	-
	12/1/87 ^(e)	-	-	-	-	-	-	-
	3/7/88	NA	190,000	NA	NA	NA	-	NA
	6/9/88	NA	16,000	NA	NA	NA	-	NA
	9/14/88 ^(e)	-	-	-	-	-	-	-
MW-4	10/3/86 ^(a)	0.02	-	7.2	<0.005	<0.005	-	<0.005
	4/9/87	BDL	NA	NA	BDL	BDL	-	BDL
	9/16/87	1.3	66	NA	BDL	BDL	-	BDL
	12/1/87	BDL	100	NA	BDL	BDL	-	8.9
	3/7/88	BDL	BDL	NA	BDL	BDL	-	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	-	BDL
	9/14/88	BDL	100	NA	BDL	BDL	-	BDL
MW-5	10/3/86 ^(a)	1.4	NA	24	<0.005	<0.005	-	0.0066
	4/9/87	54	NA	NA	BDL	BDL	-	BDL
	9/16/87	NA	96,000	NA	NA	NA	-	NA
	12/1/87	NA	2,000	NA	NA	NA	-	NA
	3/9/88	NA	BDL	NA	NA	NA	-	NA
	6/9/88	NA	12,000	NA	NA	NA	-	NA
	9/14/88	NA	6,300	NA	NA	NA	-	NA

TABLE 2

Summary of Groundwater Analytical Results
 Owens-Brockway, Oakland, California
 K/J 950007.10

Well Number	Date Sampled	TVH (µg/l)	TEH (µg/l)	O&G (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)
MW-5 cont'd	8/12/97 ^(e)	-	-	-	-	-	-	-
	8/14/97 ^(e)	-	-	-	-	-	-	-
	8/26/97 ^(e)	-	-	-	-	-	-	-
	9/2/97 ^(e)	-	-	-	-	-	-	-
	9/9/97 ^(e)	-	-	-	-	-	-	-
	9/16/97 ^(d)	<50	7,500	4,100	<0.5	<0.5	<0.5	<0.5
MW-6	4/9/87 ^(e)	-	-	-	-	-	-	-
	9/16/87	NA	400,000	NA	NA	NA	-	NA
	12/1/87	NA	30,000	NA	NA	NA	-	NA
	3/9/88	NA	NA	NA	NA	NA	-	NA
	6/9/88	NA	63,000	NA	NA	NA	-	NA
	9/14/88	NA	140,000	NA	NA	NA	-	NA
	8/12/97 ^(e)	-	-	-	-	-	-	-
	8/14/97 ^(e)	-	-	-	-	-	-	-
	8/26/97 ^(e)	-	-	-	-	-	-	-
	9/2/97 ^(e)	-	-	-	-	-	-	-
	9/9/97 ^(e)	-	-	-	-	-	-	-
	9/16/97 ^(e)	-	-	-	-	-	-	-
MW-7	10/3/86 ^(a)	0.26	NA	8.0	<0.005	<0.005	-	<0.005
	4/9/87 ^(e)	-	-	-	-	-	-	-
	9/16/87	NA	790,000	NA	NA	NA	-	NA
	12/1/87	NA	5,300	NA	AN	NA	-	NA
	3/9/88	NA	BDL	NA	NA	NA	-	NA
	6/9/88	NA	12,000	NA	NA	NA	-	NA
	9/14/88	NA	67,000	NA	NA	NA	-	NA
	8/12/97 ^(e)	-	-	-	-	-	-	-
	8/14/97 ^(e)	-	-	-	-	-	-	-
	8/26/97 ^(e)	-	-	-	-	-	-	-
	9/2/97 ^(e)	-	-	-	-	-	-	-
	9/9/97 ^(e)	-	-	-	-	-	-	-
9/16/97 ^(d)	850	26,000	11,000	<0.5	<0.5	<0.5	<0.5	
MW-8	10/?/86 ^(a)	1.3	NA	14	<0.01	<0.01	-	<0.01
	4/9/87	73	NA	NA	BDL	BDL	-	BDL
	9/16/87 ^(e)	-	-	-	-	-	-	-
	12/1/87	NA	630	NA	NA	NA	-	NA
	3/9/88	NA	2,600	NA	NA	AN	-	NA
	6/9/88	NA	1,700	NA	NA	NA	-	NA
	9/14/88	NA	150	NA	NA	NA	-	NA
	8/12/97 ^(e)	-	-	-	-	-	-	-
	9/16/97 ^(d)	<50	290	<300	<0.5	<0.5	<0.5	<0.5

TABLE 2
 Summary of Groundwater Analytical Results
 Owens-Brockway, Oakland, California
 K/J 950007.10

Well Number	Date Sampled	TVH (µg/l)	TEH (µg/l)	O&G (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)
MW-9	4/9/87 ^(e)	-	-	-	-	-	-	-
	9/16/87	NA	1,300	NA	NA	NA	-	NA
	12/1/87	NA	18,000	NA	NA	NA	-	NA
	3/9/88	NA	47,000	NA	NA	NA	-	NA
	6/8/88 ^(e)	-	-	-	-	-	-	-
	9/14/88 ^(e)	-	-	-	-	-	-	-
	8/12/97 ^(e)	-	-	-	-	-	-	-
	8/14/97 ^(e)	-	-	-	-	-	-	-
	8/26/97 ^(e)	-	-	-	-	-	-	-
	9/2/97 ^(e)	-	-	-	-	-	-	-
	9/9/97 ^(e)	-	-	-	-	-	-	-
	9/16/97 ^(d)	6,000	19,000	9,000	<13	<13	<13	18
MW-10	10/7/86 ^(a)	0.38	-	7.2	<0.01	<0.01	-	<0.01
	4/9/87	300	NA	NA	BDL	BDL	-	BDL
	9/16/87	NA	3,800	NA	NA	NA	-	NA
	12/1/87	NA	590	NA	NA	NA	-	NA
	3/8/88	NA	BDL	NA	NA	NA	-	NA
	6/8/88	NA	3,800	NA	NA	AN	-	NA
	9/14/88	NA	570	NA	NA	NA	-	NA
	9/16/97 ^(d)	<50	1,300	<300	<0.5	<0.5	<0.5	<0.5
MW-11	12/5/86 ^(a)	<0.008	NA	1.2	<0.0004	<0.0002	-	0.0014
	4/9/87	BDL	NA	NA	BDL	BDL	-	BDL
	9/16/87	BDL	NA	NA	BDL	BDL	-	BDL
	12/1/87	BDL	NA	NA	0.8	BDL	-	10
	3/7/88	BDL	BDL	NA	BDL	BDL	-	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	-	BDL
	9/14/88	BDL	100	NA	BDL	BDL	-	BDL
MW-12	12/5/86 ^(a)	0.10	NA	2.5	0.00049	0.001	-	0.0013
	4/9/87	BDL	NA	NA	BDL	BDL	-	BDL
	9/16/87	BDL	NA	NA	BDL	BDL	-	BDL
	12/1/87	BDL	NA	NA	BDL	BDL	-	13
	3/7/88	BDL	BDL	NA	BDL	BDL	-	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	-	BDL
	9/14/88	BDL	120	NA	BDL	BDL	-	BDL
MW-13	12/24/86 ^(a)	<0.01	NA	57	<0.0002	<0.0009	-	<0.0009
	4/9/87	BDL	NA	NA	BDL	BDL	-	BDL
	9/16/87	BDL	NA	NA	BDL	BDL	-	BDL
	12/1/87	BDL	NA	NA	1.6	BDL	-	12
	3/8/88	7.7	BDL	NA	BDL	BDL	-	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	-	BDL

TABLE 2

Summary of Groundwater Analytical Results
Owens-Brockway, Oakland, California
K/J 950007.10

Well Number	Date Sampled	TVH (µg/l)	TEH (µg/l)	O&G (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)
MW-13	9/14/88	BDL	130	NA	BDL	BDL	-	BDL
	9/16/97 ^(d)	<50	120	<300	<0.5	<0.5	<0.5	<0.5
MW-14	12/5/86 ^(a)	<0.008	NA	3.2	<0.0004	<0.0002	-	<0.0002
	4/9/87	BDL	NA	NA	BDL	BDL	-	BDL
	9/16/87	1.7	56	NA	BDL	BDL	-	BDL
	12/1/87	BDL	66	NA	1.2	4	-	10
	3/7/88	20	BDL	NA	BDL	BDL	-	BDL
	6/8/88 ^(h)	-	-	-	-	-	-	-
	9/14/88 ^(h)	-	-	-	-	-	-	-
	12/24/86 ^(a)	0.12	NA	1.6	<0.0002	<0.0009	-	0.00092
MW-15	4/9/87	BDL	NA	NA	BDL	BDL	-	BDL
	9/16/87	8.4	BDL	NA	BDL	BDL	-	BDL
	12/1/87	BDL	NA	NA	3.3	0.84	-	14
	3/8/88	90	BDL	NA	0.8	BDL	-	BDL
	6/9/88	53	BDL	NA	BDL	BDL	-	BDL
	9/14/88	NA	100	NA	NA	NA	-	NA
	9/16/97 ^(d)	<50	890	380	<0.5	<0.5	<0.5	<0.5
	12/24/86 ^(a)	<0.01	NA	1.2	<0.0002	<0.0009	-	<0.0009
MW-16	4/9/87	BDL	NA	NA	BDL	BDL	-	BDL
	9/16/87	BDL	64	NA	BDL	BDL	-	BDL
	12/1/87	120	150	NA	1	0.37	-	9.1
	3/7/88	10	BDL	NA	0.5	BDL	-	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	-	BDL
	9/14/88	BDL	190	NA	BDL	BDL	-	BDL
	9/16/97 ^(e)	-	-	-	-	-	-	-
	12/24/86 ^(a)	0.24	NA	2.4	0.005	0.0012	-	0.014
MW-17	4/9/87	BDL	NA	NA	BDL	BDL	-	BDL
	9/16/87	44	680	NA	BDL	BDL	-	0.55
	12/1/87	540	1,300	NA	7.8	2.4	-	28
	3/8/88	4,300	3,800	NA	83	BDL	-	46
	6/8/88 ⁽ⁱ⁾	-	-	-	-	-	-	-
	9/14/88	54,000	64,000	NA	BDL	BDL	-	BDL
	8/12/97 ^(e)	-	-	-	-	-	-	-
	8/14/97 ^(e)	-	-	-	-	-	-	-
	8/26/97 ^(e)	-	-	-	-	-	-	-
	9/2/97 ^(e)	-	-	-	-	-	-	-
	9/9/97 ^(e)	-	-	-	-	-	-	-
	9/16/97 ^(d)	1,900	110,000	9,600	<0.5	<0.5	<0.5	<0.5

TABLE 2

Summary of Groundwater Analytical Results
Owens-Brockway, Oakland, California
K/J 950007.10

Page 5 of 5

Well Number	Date Sampled	TVH (µg/l)	TEH (µg/l)	O&G (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)
MW-18	12/24/86 ^(a)	<0.02	NA	1.6	<0.0003	<0.0003	-	0.00099
	4/9/87	BDL	NA	NA	BDL	BDL	-	BDL
	9/16/87	BDL	480	NA	BDL	BDL	-	BDL
	12/1/87	BDL	18	NA	BDL	BDL	-	6.6
	3/7/88	BDL	BDL	NA	BDL	BDL	-	BDL
	6/8/88	BDL	BDL	NA	BDL	BDL	-	BDL
	9/14/88	BDL	190	NA	BDL	BDL	-	BDL

Notes:

- (a) Reported in milligrams per liter (mg/l).
 (b) < = analyte not present in the sample at or above the indicated detection limit.
 (c) Not sampled; covered by glass.
 (d) For these samples (Table 2, Groundwater Monitoring, K/J, 19 November 1997):
 TVH = total petroleum hydrocarbons between C7 and C12
 TEH = total petroleum hydrocarbons between C12 and C22
 O&G = total petroleum hydrocarbons between C22 and C50
 (e) Not sampled - *2 sp detected*
 (f) Not sampled; covered by dumpster
 (g) Not sampled; covered by trailer
 (h) Not sampled; well inaccessible

General Notes:

TVH = total volatile petroleum hydrocarbons using EPA Method 8015.
 TEH = total extractable petroleum hydrocarbons using EPA Method 8015.
 O&G = oil and grease using EPA Method 8015.
 B = benzene using EPA Method 8020
 T = toluene using EPA Method 8020
 E = ethylbenzene using EPA Method 8020
 X = total xylenes using EPA Method 8020
 (µg/l) = micrograms per liter
 NM = not measured
 BDL = below detection limit
 NA = not analyzed
 Other volatile organic compounds (VOCs) were detected using EPA Method 8010 in the following sample when analyzed:
 Well MW-14 (12/5/86) - Sum of TCA and PCE = 0.019 mg/l

TABLE 3
 Summary of Groundwater Depths and Elevations
 Owens-Brockway, Oakland, California
 K/J 950007.10

TOP SCAM

Well Number	Date Sampled	Depth to Water ^(a) (feet)	Groundwater Elevation ^(b) (feet)
MW-1	9/23/86	NM	-
	4/9/87	8.98	7.04
	9/16/87	NM	-
	12/1/87	NM	-
	3/7/88	NM	-
	6/8/88	NM	-
	9/14/88	NM	-
	9/16/97	9.35 ✓	6.67
MW-2	4/9/87	NM	-
	9/16/87	NM	-
	12/1/87	20.19	-3.08
	3/7/88	NM	-
	6/8/88	NM	-
	9/14/88	NM	-
	8/12/97	15.15	1.96
	8/14/97	12.58	4.53
	8/26/97	11.58	5.53
	9/2/97	11.29	5.82
	9/9/97	11.50	5.61
9/16/97	11.83 ✓	5.28	
MW-3	9/23/86	-	-
	4/9/87	10.53	4.93
	9/16/87	11.44	4.02
	12/1/87	12.73	2.73
	3/7/88	15.22	0.24
	6/9/88	14.78 ✓	0.68
	9/14/88	NM	-
MW-4	10/3/86	-	-
	4/9/87	8.73	7.29
	9/16/87	10.53	5.49
	12/1/87	9.08	6.94
	3/7/88	9.05	6.97
	6/8/88	9.25	6.77
	9/14/88	10.47 ✓	5.55
MW-5	10/3/86	-	-
	4/9/87	12.02	4.17
	9/16/87	11.77	4.42

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8.5

TABLE 3
 Summary of Groundwater Depths and Elevations
 Owens-Brockway, Oakland, California
 K/J 950007.10

Top of Screen

Well Number	Date Sampled	Depth to Water ^(a) (feet)	Groundwater Elevation ^(b) (feet)
MW-5 cont'd	12/1/87	11.37	4.82
	3/9/88	13.06	3.13
	6/9/88	12.74	3.45
	9/14/88	13.38	2.81
	8/12/97	11.81	4.38
	8/14/97	11.91	4.28
	8/26/97	11.42	4.77
	9/2/97	10.50	5.69
	9/9/97	11.25	4.94
	9/16/97	12.30	3.89
MW-6	4/9/87	13.28	4.20
	9/16/87	13.40	4.08
	12/1/87	13.04	4.44
	3/9/88	15.00	2.48
	6/9/88	14.56	2.92
	9/14/88	14.90	2.58
	8/12/97	13.96	3.52
	8/14/97	13.91	3.57
	8/26/97	13.58	3.90
	9/2/97	8.91	8.57
9/9/97	10.91	6.57	
9/16/97	11.96	5.52	
MW-7	10/3/86	-	-
	4/9/87	12.13	3.98
	9/16/87	12.29	3.82
	12/1/87	11.24	4.87
	3/9/88	11.85	4.26
	6/9/88	12.46	3.65
	9/14/88	12.97	3.14
	8/12/97	11.91	4.20
	8/14/97	11.83	4.28
	8/26/97	11.00	5.11
9/2/97	10.83	5.28	
9/9/97	11.58	4.53	
9/16/97	12.15	3.96	
MW-8	10/86	-	-
	4/9/87	10.35	6.22

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TABLE 3
 Summary of Groundwater Depths and Elevations
 Owens-Brockway, Oakland, California
 K/J 950007.10

TdS

Well Number	Date Sampled	Depth to Water ^(a) (feet)	Groundwater Elevation ^(b) (feet)
MW-8 cont'd	9/16/87	10.71	5.86
	12/1/87	9.89	6.68
	3/9/88	9.61	6.96
	6/9/88	9.96	6.61
	9/14/88	10.71	5.86
	8/12/97	10.04	6.53
	9/16/97	9.90	6.67
MW-9	4/9/87	NM	-
	9/16/87	NM	-
	12/1/87	6.83	-
	3/9/88	6.44	-
	6/8/88	-	-
	9/14/88	7.70	-
	8/12/97	6.83	-
	8/14/97	6.46	-
	8/26/97	6.29	-
	9/2/97	6.33	-
	9/9/97	6.58	-
9/16/97	6.62	-	
MW-10	10/?/86	-	-
	4/9/87	10.29	5.67
	9/16/87	11.19	4.77
	12/1/87	10.08	5.88
	3/8/88	10.36	5.60
	6/8/88	10.89	5.07
	9/14/88	11.34	4.62
	9/16/97	10.27	5.69
MW-11	12/5/86	-	-
	4/9/87	9.02	4.97
	9/16/87	9.96	4.03
	12/1/87	9.44	4.55
	3/7/88	9.31	4.68
	6/8/88	9.42	4.57
	9/14/88	9.10	4.89
MW-12	12/5/86	-	-
	4/9/87	6.83	7.00
	9/16/87	7.80	6.03

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TABLE 3
 Summary of Groundwater Depths and Elevations
 Owens-Brockway, Oakland, California
 K/J 950007.10

Well Number	Date Sampled	Depth to Water ^(a) (feet)	Groundwater Elevation ^(b) (feet)
MW-12 cont'd	12/1/87	7.59	6.24
	3/7/88	7.02	6.81
	6/8/88	7.38	6.45
	9/14/88	8.14	5.69
MW-13	12/24/86	-	-
	4/9/87	10.79	3.19
	9/16/87	10.98	3.00
	12/1/87	10.21	3.77
	3/8/88	10.51	3.47
	6/8/88	10.85	3.13
	9/14/88	10.93	3.05
	9/16/97	10.55	3.43
MW-14	12/5/86	-	-
	4/9/87	7.17	7.61
	9/16/87	8.78	6.00
	12/1/87	8.26	6.52
	3/7/88	7.26	7.52
	6/8/88	NM	-
	9/14/88	NM	-
MW-15	12/24/86	-	-
	4/9/87	11.88	3.28
	9/16/87	11.77	3.39
	12/1/87	11.25	3.91
	3/8/88	11.24	3.92
	6/9/88	12.15	3.01
	9/14/88	12.34	2.82
	9/16/97	11.92	3.24
MW-16	12/24/86	-	-
	4/9/87	9.47	4.01
	9/16/87	10.07	3.41
	12/1/87	9.23	4.25
	3/7/88	9.46	4.02
	6/8/88	9.56	3.92
	9/14/88	9.99	3.49
	9/16/97	7.32	6.16
MW-17	12/24/86	-	-
	4/9/87	9.95	4.22

TOP SCREEN

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TABLE 3
Summary of Groundwater Depths and Elevations
Owens-Brockway, Oakland, California
K/J 950007.10

Well Number	Date Sampled	Depth to Water ^(a) (feet)	Groundwater Elevation ^(b) (feet)
MW-17 cont'd	9/16/87	10.59	3.58
	12/1/87	9.87	4.30
	3/8/88	10.10	4.07
	6/8/88	-	-
	9/14/88	10.58	3.59
	8/12/97	9.54	4.63
	8/14/97	9.58	4.59
	8/26/97	9.25	4.92
	9/2/97	9.50	4.67
	9/9/97	9.58	4.59
	9/16/97	9.74	4.43
MW-18	12/24/86	-	-
	4/9/87	9.91	4.98
	9/16/87	10.37	4.52
	12/1/87	10.19	4.7
	3/7/88	9.60	5.29
	6/8/88	10.01	4.88
	9/14/88	10.82	4.07

TOP SCREEN

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Notes:

- (a) Depth to water measured from the top of the well casing.
- (b) Groundwater elevations are reported in feet above mean sea level.