



EXCELTECH

41638 CHRISTY STREET • FREMONT, CA 94538
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Enclosure 10

May 5, 1987
Project No. 1467G

O.I. Glass Container Division, S.T.S.
3600 Alameda Avenue
Oakland, CA 94601

Attn: Mr. Robert Barber

Re: Quarterly Groundwater Sampling
Owens Illinois Facility, Oakland

Dear Mr. Barber:

This letter report presents the first quarterly groundwater sampling and analysis report for the above referenced site. All wells were sampled on April 7-9, 1987 and tested for the presence of floating product and dissolved hydrocarbons. If wells displayed floating product, a chemical analysis was not performed. The water samples were collected in approved containers and accompanied with chain of custody documentation. All analyses were performed at a State certified laboratory using E.P.A. approved methods. The analytical reports are attached.

A groundwater map of measured water levels is presented on the attached Figure 1. The map reflects measurements at high tide for that date.

If you have any questions, please call.

Sincerely,
Exceltech, Inc.

Christopher M. Palmer, E.G. 1262
Manager, Geotechnical Services

CP/vm
enclosures

TABLE I

Water Analysis Results

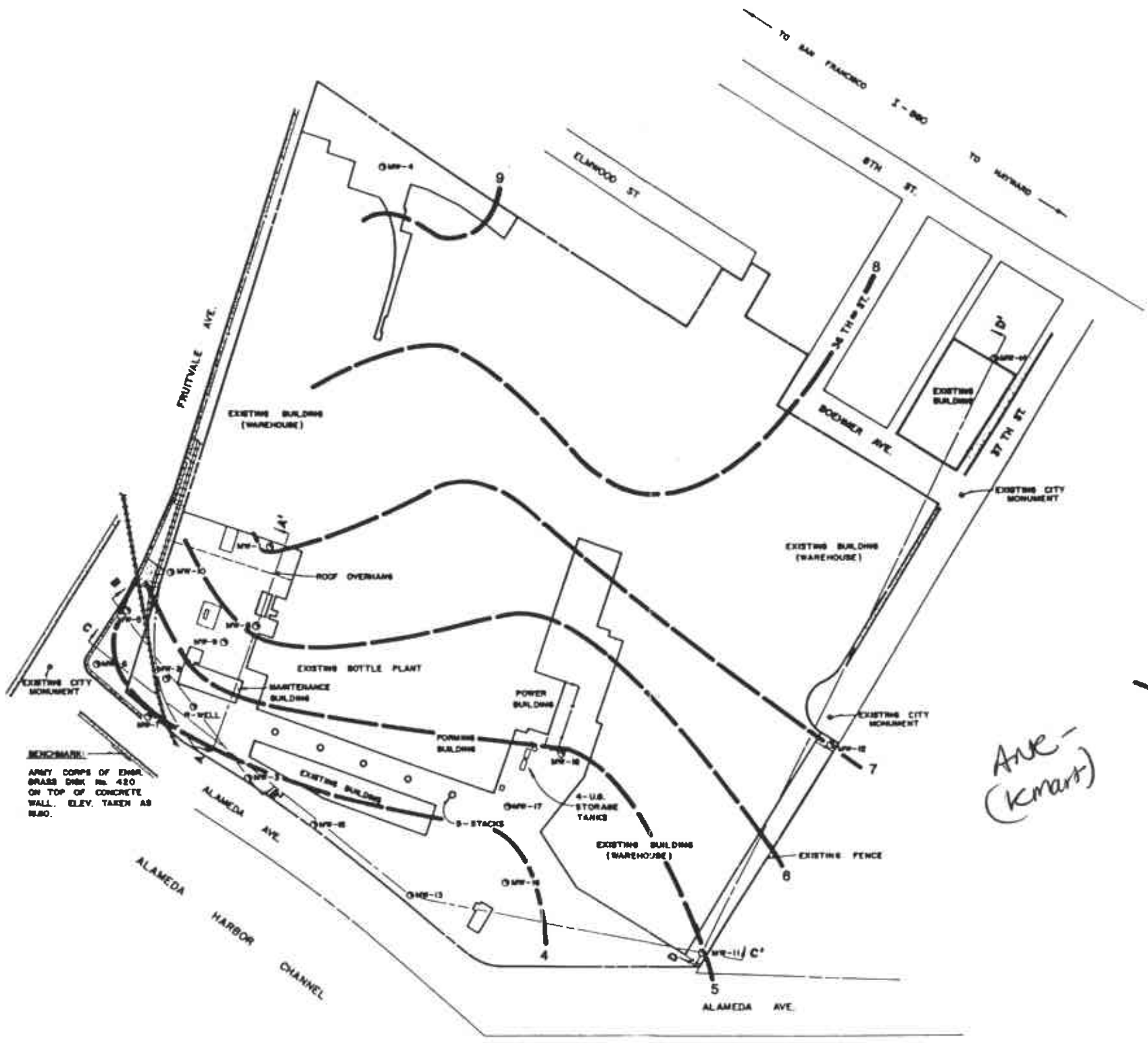
<u>Well</u>	<u>TVH*</u> (ppb)	<u>Benzene</u> (ppb)	<u>Toluene</u> (ppb)	<u>Xylene</u> (ppb)	<u>Floating Product</u> (ft.)
MW- 1	nd	nd	nd	nd	0.005
MW- 2	--	--	--	--	3.85
MW- 3	370	nd	nd	nd	--
MW- 4	nd	nd	nd	nd	--
MW- 5	54	nd	nd	nd	--
MW- 6	--	--	--	--	70.005 ? 0.005?
MW- 7	--	--	--	--	film
MW- 8	73	nd	nd	nd	film
MW- 9	--	--	--	--	0.01
MW-10	300	nd	nd	nd	film
MW-11	nd	nd	nd	nd	--
MW-12	nd	nd	nd	nd	--
MW-13	nd	nd	nd	nd	--
MW-14	nd	nd	nd	nd	--
MW-15	nd	nd	nd	nd	--
MW-16	nd	nd	nd	nd	--
MW-17	nd	nd	nd	nd	0.005
MW-18	nd	nd	nd	nd	--

*TVH=Total Volatile Hydrocarbons

nd=none detected

Complete laboratory results and chain of custody form are attached


2

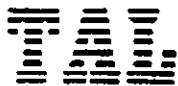


BENCHMARK:
 ARMY CORPS OF ENGR.
 BRASS DISK No. 420
 ON TOP OF CONCRETE
 WALL. ELEV. TAKEN AS
 1480.

- LEGEND**
- MW-1 MONITORING WELL LOCATION
 - AL — LOCATION OF GEOLOGIC CROSS SECTION
 - 9 — GROUND WATER ELEVATION CONTOUR IN FEET ABOVE M.S.L. (MEASURED 4-9-87)

NOTE:
 Locations of exploratory borings BH-1 through BH-16 are shown on drawings 7 and 8.

 EXCELTECH	GROUND WATER CONTOUR MAP	
	SOIL & GROUND WATER INVESTIGATION	*1467G
	OWENS-ILLINOIS GLASS CONTAINER DIVISION	SCALE: 1" = 100' X 5'
	OAKLAND, CALIFORNIA	DATE: 1-19-87



DATE: 4/24/87
LOG NO.: 4689
DATE SAMPLED: 4/7/87, 4/8/87, and 4/9/87
DATE RECEIVED: 4/10/87

CUSTOMER: Exceltech Inc.
REQUESTER: Chris Palmer
PROJECT: No. 1467G, Owens - Illinois

<u>Method and Constituent</u>	<u>Units</u>	<u>Sample Type: Water</u>		
		<u>Detection Limit</u>	<u>MW-1</u>	<u>MW-3</u>
Modified EPA Method 8015:				
Volatile Hydrocarbons	mg/l	0.05	< 0.05	0.37
Modified EPA Method 8020:				
Benzene	mg/l	0.0005	< 0.0005	< 0.0005
Toluene	mg/l	0.0005	< 0.0005	< 0.0005
Xylene	mg/l	0.0005	< 0.0005	< 0.0005

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PAGE: Two

<u>Method and Constituent</u>	<u>Sample Type: Water</u>			
	<u>Units</u>	<u>Detection Limit</u>	<u>MW-4</u>	<u>MW-5</u>
Modified EPA Method 8015:				
Volatile Hydrocarbons	mg/l	0.05	< 0.05	0.054
Modified EPA Method 8020:				
Benzene	mg/l	0.0005	< 0.0005	< 0.0005
Toluene	mg/l	0.0005	< 0.0005	< 0.0005
Xylene	mg/l	0.0005	< 0.0005	< 0.0005

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Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>Detection Limit</u>	<u>MW-8</u>	<u>MW-10</u>
Modified EPA Method 8015:				
Volatile Hydrocarbons	mg/l	0.05	0.073	0.30
Modified EPA Method 8020:				
Benzene	mg/l	0.0005	< 0.0005	< 0.0005
Toluene	mg/l	0.0005	< 0.0005	< 0.0005
Xylene	mg/l	0.0005	< 0.0005	< 0.0005

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<u>Sample Type: Water</u>				
<u>Method and Constituent</u>	<u>Units</u>	<u>Detection Limit</u>	<u>MW-11</u>	<u>MW-12</u>
Modified EPA Method 8015:				
Volatile Hydrocarbons	mg/l	0.05	< 0.05	< 0.05
Modified EPA Method 8020:				
Benzene	mg/l	0.0005	< 0.0005	< 0.0005
Toluene	mg/l	0.0005	< 0.0005	< 0.0005
Xylene	mg/l	0.0005	< 0.0005	< 0.0005

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Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>Detection Limit</u>	<u>MW-13</u>	<u>MW-14</u>
Modified EPA Method 8015:				
Volatile Hydrocarbons	mg/l	0.05	< 0.05	< 0.05
Modified EPA Method 8020:				
Benzene	mg/l	0.0005	< 0.0005	< 0.0005
Toluene	mg/l	0.0005	< 0.0005	< 0.0005
Xylene	mg/l	0.0005	< 0.0005	< 0.0005

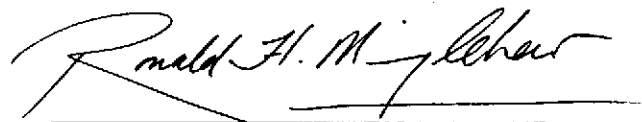
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DATE SAMPLED: 4/7/87, 4/8/87, and
4/9/87
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PAGE: Six

<u>Method and Constituent</u>	<u>Sample Type: Water</u>			
	<u>Units</u>	<u>Detection Limit</u>	<u>MW-15</u>	<u>MW-16</u>
Modified EPA Method 8015:				
Volatile Hydrocarbons	mg/l	0.05	< 0.05	< 0.05
Modified EPA Method 8020:				
Benzene	mg/l	0.0005	< 0.0005	< 0.0005
Toluene	mg/l	0.0005	< 0.0005	< 0.0005
Xylene	mg/l	0.0005	< 0.0005	< 0.0005

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Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>Detection Limit</u>	<u>MW-17</u>	<u>MW-18</u>
Modified EPA Method 8015:				
Volatile Hydrocarbons	mg/l	0.05	< 0.05	< 0.05
Modified EPA Method 8020:				
Benzene	mg/l	0.0005	< 0.0005	< 0.0005
Toluene	mg/l	0.0005	< 0.0005	< 0.0005
Xylene	mg/l	0.0005	< 0.0005	< 0.0005



Ronald H. Ming Chew
 Supervisory Chemist

RHM:mIn

CHAIN OF CUSTODY RECORD

P.O. # 5173
Chris 10 Days

PROJECT NO. 1467G		PROJECT NAME Owens Illionis			TEST REQUESTED																
SAMPLERS: (Signature) <i>Pin Jansen</i>					TUH W/BLY											REMARKS					
NO.	DATE	TIME	DRIVE	GRAB		STATION AND LOCATION															
MW-1	4-9	4:00P			4	X															
MW-3	4-8				4	X															
MW-4	4-7				4	X															
MW-5	4-9				4	X															
MW-8	4-9				4	X															
MW-10	4-7		4-7		4	X															
MW-11	4-7				4	X															
MW-12	4-7				4	X															
MW-13	4-8				4	X															
MW-14	4-7				4	Y															
MW-15	4-8				4	X															
MW-16	4-8				4	X															
MW-17	4-8				4	X															
MW-18	4-7				4	X															
	1987				4	X															Hold
					Gravel Blank 1																

RELINQUISHED BY: <i>Pin Jansen</i>	DATE 4/10/87	TIME 11:25a	RECEIVED BY: <i>Joe Novati</i>	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

REMARKS:

DISTRIBUTION:



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