Fact Sheet Attachment J
Reasonable Potential Analysis and WQBELs Calculations
Owens-Brockway Glass, Incoporated (Discharge Point 002)

					CTR Water Quality Criteria (ug/L)									REASONABLE POTE					
					Freshwater		Saltwater		Human Health for consumption of:		LA River TMDL								
CTR#	Parameters	Units	CV	MEC	C acute = CMC tot	C chronic = CCC tot	C acute = CMC tot	C chronic = CCC tot	Water & organisms	Organisms only	Dry Weather WLAs (Based on Chronic CTR)	Wet Weather WLAs (Based on Acute CTR)	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	B Available (Y/N)?	Are all B data points non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the pollutant B detected max conc (ug/L)	If all B is ND, is MDL>C?
1	Antimony	ug/L	0.6	3						4300.00			4300.00	No	No	N				
2	Arsenic	ug/L	0.6	17	340.00	150.00							150.00	No	No	N				
3	Beryllium	ug/L	0.6	No Criteria						Narrative			No Criteria	No Criteri	No Criteria	N				
4	Cadmium (CTR)	ug/L	0.6	7.1	13.73	5.34				Narrative			5.34	Yes	Yes	N				
4	Cadmium (TMDL Wet Weather)	ug/L	0.6	7.1								3.10	3.10	Yes	Yes, TMDL	N				
5a	Chromium (III)	ug/L	0.6	28	3893.32	464.06				Narrative			464.06	No	No	N				
5b	Chromium (VI)	ug/L	0.6	6.6	16.29	11.43				Narrative			11.43	No	No	N				
6	Copper (CTR)	ug/L	0.6	81	35.44	21.66							21.66	Yes	Yes	N				
6	Copper (TMDL Dry Weather)	ug/L	0.6	81							22.00		22.00	Yes	Yes, TMDL	N				
6	Copper (TMDLWet Weather)	ug/L	0.6	81								17.00	17.00	Yes	Yes, TMDL	N				
7	Lead (CTR)	ug/L	0.6	220	286.38	11.16				Narrative			11.16	Yes	Yes	N				
7	Lead (TMDL Dry Weather)	ug/L	0.6	220							11.00		11.00	Yes	Yes, TMDL	N				
7	Lead (TMDL Wet Weather)	ug/L	0.6	220								62.00	62.00	Yes	Yes, TMDL	N				
8	Mercury	ug/L	0.6	0.12	Reserved	Reserved				0.051			0.051	Yes	Yes	N				
9	Nickel	ug/L	0.6	12	1080.28	120.11				4600.00			120.11	No	No	N				
10	Selenium	ug/L	0.6	530	20.00	5.00				Narrative			5.00	Yes	Yes	N				
11	Silver	ug/L	0.6	0.41	22.12								22.12	No	No	N				
12	Thallium	ug/L	0.6	0.29						6.30			6.30	No	No	N				
13	Zinc (CTR)	ug/L	0.6	2000	276.23	276.23							276.23	Yes	Yes	N				
13	Zinc (TMDL Wet Weather)	ug/L	0.6	2000								159.00	159.00	Yes	Yes, TMDL	N				
14	Cyanide	ug/L	0.6	2.7	22.00	5.20				220000.00			5.20	No	No	N				
15	Asbestos	Fibers/l	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
16	2,3,7,8 TCDD	ug/L	0.6	0.0000090200						0.0000000140			0.0000000140	Yes	Yes	N				
17	Acrolein	ug/L	0.6	0.44						780			780	No	No	N				
18	Acrylonitrile	ug/L	0.6	0.27						0.66			0.660	No	No	N				
19	Benzene	ug/L	0.6	0.23						71			71.0	No	No	N				
20	Bromoform	ug/L	0.6	0.23						360			360.0	No	No	N				
21	Carbon Tetrachloride	ug/L	0.6	0.32						4.4			4.40	No	No	N				
22	Chlorobenzene	ug/L	0.6	0.21						21000			21000	No	No	N				
23	Chlorodibromomethane	ug/L	0.6	0.29						34			34.00	No	No	N				
24	Chloroethane	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
25	2-Chloroethylvinyl ether	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
26	Chloroform	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
27	Dichlorobromomethane	ug/L	0.6	0.28						46			46.00	No	No	N				
28	1,1-Dichloroethane	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
29	1,2-Dichloroethane	ug/L	0.6	0.24						99			99.00	No	No	N				
30	1,1-Dichloroethylene	ug/L	0.6	0.34						3.2			3.200	No	No	N				
31	1,2-Dichloropropane	ug/L	0.6	0.18						39			39.00	No	No	N				
32	1,3-Dichloropropylene	ug/L	0.6	0.51						1700			1700	No	No	N				
33	Ethylbenzene	ug/L	0.6	0.17						29000			29000	No	No	N				
34	Methyl Bromide	ug/L	0.6	0.12						4000			4000	No	No	N				
35	Methyl Chloride	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
36	Methylene Chloride	ug/L	0.6	0.25						1600			1600.0	No	No	N				
37	1,1,2,2-Tetrachloroethane	ug/L	0.6	0.18						11			11.00	No	No	N				
38	Tetrachloroethylene	ug/L	0.6	0.27						8.85			8.9	No	No	N				
39	Toluene	ug/L	0.6	0.22						200000			200000	No	No	N				
40	1,2-Trans-Dichloroethylene	ug/L	0.6	0.23						140000			140000	No	No	N				
41	1,1,1-Trichloroethane	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
42	1,1,2-Trichloroethane	ug/L	0.6	0.25						42			42.0	No	No	N				
43	Trichloroethylene	ug/L	0.6	0.35						81			81.0	No	No	N				
44	Vinyl Chloride	ug/L	0.6	0.33						525			525	No	No	N				
45	2-Chlorophenol	ug/L	0.6	0.28						400			400	No	No	N				
46	2,4-Dichlorophenol	ug/L	0.6	0.26						790			790	No	No	N				
47	2,4-Dimethylphenol	ug/L	0.6	0.3						2300			2300	No	No	N				
48	4,6-dinitro-o-resol (aka2-methyl-4,6-Dinitrophenol)	ug/L	0.6	0.33						765			765.0	No	No	N				
49	2,4-Dinitrophenol	ug/L	0.6	1.6						14000			14000	No	No	N				
50	2-Nitrophenol	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
51	4-Nitrophenol	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
53	Pentachlorophenol	ug/L	0.6	1.1	14.42	11.06				8.2			8.20	No	No	N				
54	Phenol	ug/L	0.6	0.16						4600000			4600000	No	No	N				
55	2,4,6-Trichlorophenol	ug/L	0.6	0.22						6.5			6.5	No	No	N				
56	Acenaphthene	ug/L	0.6	0.31						2700			2700	No	No	N				
57	Acenaphthylene	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
58	Anthracene	ug/L	0.6	0.28						110000			110000	No	No	N				
59	Benzidine	ug/L	0.6							0.00054			0.00054			N				
60	Benzo(a)Anthracene	ug/L	0.6							0.049			0.0490			N				
61	Benzo(a)Pyrene	ug/L	0.6							0.049			0.0490			N				

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Owens-Brockway Glass, Incoporated (Discharge Point 002)

					CTR Water Quality Criteria (ug/L)									REASONABLE POTE						
					Freshwater		Saltwater		Human Health for consumption of:		LA River TMDL									
CTR#	Parameters	Units	CV	MEC	C acute = CMC tot	C chronic = CCC tot	C acute = CMC tot	C chronic = CCC tot	Water & organisms	Organisms only	Dry Weather WLAs (Based on Chronic CTR)	Wet Weather WLAs (Based on Acute CTR)	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	B Available (Y/N)?	Are all B data points non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the pollutant B detected max conc (ug/L)	If all B is ND, is MDL>C?
62	Benzo(b)Fluoranthene	ug/L	0.6							0.049			0.0490			N				
63	Benzo(ghi)Perylene	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
64	Benzo(k)Fluoranthene	ug/L	0.6							0.049			0.0490			N				
65	Bis(2-Chloroethoxy)Methane	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
66	Bis(2-Chloroethyl)Ether	ug/L	0.6	0.27						1.4			1.400	No	No	N				
67	Bis(2-Chloroisopropyl)Ether	ug/L	0.6	0.38						170000			170000	No	No	N				
68	Bis(2-Ethylhexyl)Phthalate	ug/L	0.6	5.1						5.9			5.9	No	No	N				
69	4-Bromophenyl Phenyl Ether	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
70	Butylbenzyl Phthalate	ug/L	0.6	1.3						5200			5200	No	No	N				
71	2-Chloronaphthalene	ug/L	0.6	0.26						4300			4300	No	No	N				
72	4-Chlorophenyl Phenyl Ether	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
73	Chrysene	ug/L	0.6							0.049			0.0490			N				
74	Dibenzo(a,h)Anthracene	ug/L	0.6							0.049			0.0490			N				
75	1,2-Dichlorobenzene	ug/L	0.6	0.3						17000			17000	No	No	N				
76	1,3-Dichlorobenzene	ug/L	0.6	0.36						2600			2600	No	No	N				
77	1,4-Dichlorobenzene	ug/L	0.6	0.32						2600			2600	No	No	N				
78	3,3 Dichlorobenzidine	ug/L	0.6							0.077			0.08			N				
79	Diethyl Phthalate	ug/L	0.6	0.65						120000			120000	No	No	N				
80	Dimethyl Phthalate	ug/L	0.6	0.18						2900000			2900000	No	No	N				
81	Di-n-Butyl Phthalate	ug/L	0.6	0.073						12000			12000	No	No	N				
82	2,4-Dinitrotoluene	ug/L	0.6	0.18						9.10			9.10	No	No	N				
83	2,6-Dinitrotoluene	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
84	Di-n-Octyl Phthalate	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
85	1,2-Diphenylhydrazine	ug/L	0.6	0.25						0.54			0.540	No	No	N				
86	Fluoranthene	ug/L	0.6	0.16						370			370	No	No	N				
87	Fluorene	ug/L	0.6	0.2						14000			14000	No	No	N				
88	Hexachlorobenzene	ug/L	0.6							0.00077			0.00077			N				
89	Hexachlorobutadiene	ug/L	0.6	0.41						50			50.00	No	No	N				
90	Hexachlorocyclopentadiene	ug/L	0.6	1.5						17000			17000	No	No	N				
91	Hexachloroethane	ug/L	0.6	0.36						8.9			8.9	No	No	N				
92	Indeno(1,2,3-cd)Pyrene	ug/L	0.6							0.049			0.0490			N				
93	Isophorone	ug/L	0.6	0.21						600			600.0	No	No	N				
94	Naphthalene	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
95	Nitrobenzene	ug/L	0.6	0.36						1900			1900	No	No	N				
96	N-Nitrosodimethylamine	ug/L	0.6	0.14						8.10			8.10000	No	No	N				
97	N-Nitrosodi-n-Propylamine	ug/L	0.6	0.26						1.40			1.400	No	No	N				
98	N-Nitrosodiphenylamine	ug/L	0.6	0.19						16			16.0	No	No	N				
99	Phenanthrene	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
100	Pyrene	ug/L	0.6	0.16						11000			11000	No	No	N				
101	1,2,4-Trichlorobenzene	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
102	Aldrin	ug/L	0.6		3.00					0.00014			0.00014			N				
103	alpha-BHC	ug/L	0.6	0.0018						0.013			0.0130	No	No	N				
104	beta-BHC	ug/L	0.6	0.0031						0.046			0.046	No	No	N				
105	gamma-BHC	ug/L	0.6	0.0021	0.95					0.063			0.063	No	No	N				
106	delta-BHC	ug/L	0.6	No Criteria									No Criteria	No Criteri	No Criteria	N				
107	Chlordane	ug/L	0.6		2.4	0.0043				0.00059			0.00059			N				
108	4,4'-DDT	ug/L	0.6		1.1	0.001				0.00059			0.00059			N				
109	4,4'-DDE (linked to DDT)	ug/L	0.6							0.00059			0.00059			N				
110	4,4'-DDD	ug/L	0.6							0.00084			0.00084			N				
111	Dieldrin	ug/L	0.6		0.24	0.056				0.00014			0.00014			N				
112	alpha-Endosulfan	ug/L	0.6	0.0017	0.22	0.056				240			0.0560	No	No	N				
113	beta-Endolsulfan	ug/L	0.6	0.0019	0.22	0.056				240			0.0560	No	No	N				
114	Endosulfan Sulfate	ug/L	0.6	0.008						240			240	No	No	N				
115	Endrin	ug/L	0.6	0.0028	0.086	0.036				0.81			0.0360	No	No	N				
116	Endrin Aldehyde	ug/L	0.6	0.003						0.81			0.81	No	No	N				
117	Heptachlor	ug/L	0.6		0.52	0.0038				0.00021			0.00021			N				
118	Heptachlor Epoxide	ug/L	0.6		0.52	0.0038				0.00011			0.00011			N				
119-125	**PCBs sum (2)**	ug/L	0.6	0.17		0.014				0.00017			0.00017	Yes	Yes	N				
126	Toxaphene	ug/L	0.6		0.73	0.0002				0.00075			0.0002			N				

Notes:
Ud = Undetermined due to lack of data
Uc = Undetermined due to lack of CTR Water Quality Criteria
C = Water Quality Criteria
B = Background receiving water data

Fact Sheet Attachment J
Reasonable Potential Analysis and WQBELs Calculations
Owens-Brockway Glass, Incoporated (Discharge Point 002)

		NTIAL ANALYSIS (RPA)				HUMAN HEALTH CALCULATIONS			AQUATIC LIFE CALCULATIONS								
						Organisms only			Saltwater / Freshwater / Basin Plan								
CTR#	Parameters	If B>C, effluent limit required	Tier 3 - other info. ?	RPA Result - Need Limit?	Reason	AMEL hh = ECA = C hh O only	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier 95	AMEL aq life	MDEL multiplier 99	MDEL aq life
1	Antimony	No detected value of B, Step 7		No	Ud;MEC<C & no B												
2	Arsenic	No detected value of B, Step 7		No	Ud;MEC<C & no B												
3	Beryllium	No Criteria	No Criteria	Uc	No Criteria												
4	Cadmium (CTR)	No detected value of B, Step 7		Yes	MEC>=C		2.01		0.32	0.00	0.53	2.93	0.00	1.55	0.00	3.11	0.00
4	Cadmium (TMDL Wet Weather)	No detected value of B, Step 7		Yes	MEC>=C, TMDL		2.01		0.32	1.00	0.53		1.00	1.55	1.55	3.11	3.10
5a	Chromium (III)	No detected value of B, Step 7		No	Ud;MEC<C & no B												
5b	Chromium (VI)	No detected value of B, Step 7		No	Ud;MEC<C & no B												
6	Copper (CTR)	No detected value of B, Step 7		Yes	MEC>=C		2.01		0.32	0.00	0.53	11.40	0.00	1.55	0.0	3.11	0.0
6	Copper (TMDL Dry Weather)	No detected value of B, Step 7		Yes	MEC>=C, TMDL		2.01		0.32		0.53	11.60	11.60	1.55	18.01	3.11	36.14
6	Copper (TMDLWet Weather)	No detected value of B, Step 7		Yes	MEC>=C, TMDL		2.01		0.32	5.46	0.53		5.46	1.55	8.47	3.11	17.00
7	Lead (CTR)	No detected value of B, Step 7		Yes	MEC>=C		2.01		0.32	0.00	0.53	32.70	0.00	1.55	0.0	3.11	0.0
7	Lead (TMDL Dry Weather)	No detected value of B, Step 7		Yes	MEC>=C, TMDL		2.01		0.32		0.53	5.80	5.80	1.55	9.01	3.11	18.07
7	Lead (TMDL Wet Weather)	No detected value of B, Step 7		Yes	MEC>=C, TMDL		2.01		0.32	19.91	0.53		19.91	1.55	30.90	3.11	62.00
8	Mercury	No detected value of B, Step 7		Yes	MEC>=C	0.051	2.01	0.10232						1.55		3.11	
9	Nickel	No detected value of B, Step 7		No	Ud;MEC<C & no B												
10	Selenium	No detected value of B, Step 7		Yes	MEC>=C		2.01		0.32	6.42	0.53	2.64	2.64	1.55	4.09	3.11	8.2
11	Silver	No detected value of B, Step 7		No	Ud;MEC<C & no B												
12	Thallium	No detected value of B, Step 7		No	Ud;MEC<C & no B												
13	Zinc (CTR)	No detected value of B, Step 7		Yes	MEC>=C		2.01		0.32	0.00	0.53	83.86	0.00	1.55	0.0	3.11	0.0
13	Zinc (TMDL Wet Weather)	No detected value of B, Step 7		Yes	MEC>=C, TMDL		2.01		0.32	51.05	0.53		51.05	1.55	79.25	3.11	159.00
14	Cyanide	No detected value of B, Step 7		No	Ud;MEC<C & no B												
15	Asbestos	No Criteria	No Criteria	Uc	No Criteria												
16	2,3,7,8 TCDD	No detected value of B, Step 7		Yes	MEC>=C	0.0000000140	2.0061891571	0.0000000281						1.5524246138		3.1144574274	
17	Acrolein	No detected value of B, Step 7		No	Ud;MEC<C & no B												
18	Acrylonitrile	No detected value of B, Step 7		No	Ud;MEC<C & no B												
19	Benzene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
20	Bromoform	No detected value of B, Step 7		No	Ud;MEC<C & no B												
21	Carbon Tetrachloride	No detected value of B, Step 7		No	Ud;MEC<C & no B												
22	Chlorobenzene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
23	Chlorodibromomethane	No detected value of B, Step 7		No	Ud;MEC<C & no B												
24	Chloroethane	No Criteria	No Criteria	Uc	No Criteria												
25	2-Chloroethylvinyl ether	No Criteria	No Criteria	Uc	No Criteria												
26	Chloroform	No Criteria	No Criteria	Uc	No Criteria												
27	Dichlorobromomethane	No detected value of B, Step 7		No	Ud;MEC<C & no B												
28	1,1-Dichloroethane	No Criteria	No Criteria	Uc	No Criteria												
29	1,2-Dichloroethane	No detected value of B, Step 7		No	Ud;MEC<C & no B												
30	1,1-Dichloroethylene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
31	1,2-Dichloropropane	No detected value of B, Step 7		No	Ud;MEC<C & no B												
32	1,3-Dichloropropylene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
33	Ethylbenzene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
34	Methyl Bromide	No detected value of B, Step 7		No	Ud;MEC<C & no B												
35	Methyl Chloride	No Criteria	No Criteria	Uc	No Criteria												
36	Methylene Chloride	No detected value of B, Step 7		No	Ud;MEC<C & no B												
37	1,1,2,2-Tetrachloroethane	No detected value of B, Step 7		No	Ud;MEC<C & no B												
38	Tetrachloroethylene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
39	Toluene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
40	1,2-Trans-Dichloroethylene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
41	1,1,1-Trichloroethane	No Criteria	No Criteria	Uc	No Criteria												
42	1,1,2-Trichloroethane	No detected value of B, Step 7		No	Ud;MEC<C & no B												
43	Trichloroethylene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
44	Vinyl Chloride	No detected value of B, Step 7		No	Ud;MEC<C & no B												
45	2-Chlorophenol	No detected value of B, Step 7		No	Ud;MEC<C & no B												
46	2,4-Dichlorophenol	No detected value of B, Step 7		No	Ud;MEC<C & no B												
47	2,4-Dimethylphenol	No detected value of B, Step 7		No	Ud;MEC<C & no B												
48	4,6-dinitro-o-resol (aka2-methyl-4,6-Dinitrophenol)	No detected value of B, Step 7		No	Ud;MEC<C & no B												
49	2,4-Dinitrophenol	No detected value of B, Step 7		No	Ud;MEC<C & no B												
50	2-Nitrophenol	No Criteria	No Criteria	Uc	No Criteria												
51	4-Nitrophenol	No Criteria	No Criteria	Uc	No Criteria												
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	No Criteria	No Criteria	Uc	No Criteria												
53	Pentachlorophenol	No detected value of B, Step 7		No	Ud;MEC<C & no B												
54	Phenol	No detected value of B, Step 7		No	Ud;MEC<C & no B												
55	2,4,6-Trichlorophenol	No detected value of B, Step 7		No	Ud;MEC<C & no B												
56	Acenaphthene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
57	Acenaphthylene	No Criteria	No Criteria	Uc	No Criteria												
58	Anthracene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
59	Benzidine	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
60	Benzo(a)Anthracene	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
61	Benzo(a)Pyrene	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												

Fact Sheet Attachment J
Reasonable Potential Analysis and WQBELs Calculations
Owens-Brockway Glass, Incoporated (Discharge Point 002)

		NTIAL ANALYSIS (RPA)				HUMAN HEALTH CALCULATIONS			AQUATIC LIFE CALCULATIONS								
CTR#						Organisms only			Saltwater / Freshwater / Basin Plan								
	Parameters	If B>C, effluent limit required	Tier 3 - other info. ?	RPA Result - Need Limit?	Reason	AMEL hh = ECA = C hh O only	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier 95	AMEL aq life	MDEL multiplier 99	MDEL aq life
62	Benzo(b)Fluoranthene	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
63	Benzo(ghi)Perylene	No Criteria	No Criteria	Uc	No Criteria												
64	Benzo(k)Fluoranthene	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
65	Bis(2-Chloroethoxy)Methane	No Criteria	No Criteria	Uc	No Criteria												
66	Bis(2-Chloroethyl)Ether	No detected value of B, Step 7		No	Ud;MEC<C & no B												
67	Bis(2-Chloroisopropyl)Ether	No detected value of B, Step 7		No	Ud;MEC<C & no B												
68	Bis(2-Ethylhexyl)Phthalate	No detected value of B, Step 7		No	Ud;MEC<C & no B												
69	4-Bromophenyl Phenyl Ether	No Criteria	No Criteria	Uc	No Criteria												
70	Butylbenzyl Phthalate	No detected value of B, Step 7		No	Ud;MEC<C & no B												
71	2-Chloronaphthalene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
72	4-Chlorophenyl Phenyl Ether	No Criteria	No Criteria	Uc	No Criteria												
73	Chrysene	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
74	Dibenzo(a,h)Anthracene	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
75	1,2-Dichlorobenzene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
76	1,3-Dichlorobenzene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
77	1,4-Dichlorobenzene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
78	3,3 Dichlorobenzidine	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
79	Diethyl Phthalate	No detected value of B, Step 7		No	Ud;MEC<C & no B												
80	Dimethyl Phthalate	No detected value of B, Step 7		No	Ud;MEC<C & no B												
81	Di-n-Butyl Phthalate	No detected value of B, Step 7		No	Ud;MEC<C & no B												
82	2,4-Dinitrotoluene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
83	2,6-Dinitrotoluene	No Criteria	No Criteria	Uc	No Criteria												
84	Di-n-Octyl Phthalate	No Criteria	No Criteria	Uc	No Criteria												
85	1,2-Diphenylhydrazine	No detected value of B, Step 7		No	Ud;MEC<C & no B												
86	Fluoranthene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
87	Fluorene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
88	Hexachlorobenzene	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
89	Hexachlorobutadiene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
90	Hexachlorocyclopentadiene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
91	Hexachloroethane	No detected value of B, Step 7		No	Ud;MEC<C & no B												
92	Indeno(1,2,3-cd)Pyrene	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
93	Isophorone	No detected value of B, Step 7		No	Ud;MEC<C & no B												
94	Naphthalene	No Criteria	No Criteria	Uc	No Criteria												
95	Nitrobenzene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
96	N-Nitrosodimethylamine	No detected value of B, Step 7		No	Ud;MEC<C & no B												
97	N-Nitrosodi-n-Propylamine	No detected value of B, Step 7		No	Ud;MEC<C & no B												
98	N-Nitrosodiphenylamine	No detected value of B, Step 7		No	Ud;MEC<C & no B												
99	Phenanthrene	No Criteria	No Criteria	Uc	No Criteria												
100	Pyrene	No detected value of B, Step 7		No	Ud;MEC<C & no B												
101	1,2,4-Trichlorobenzene	No Criteria	No Criteria	Uc	No Criteria												
102	Aldrin	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
103	alpha-BHC	No detected value of B, Step 7		No	Ud;MEC<C & no B												
104	beta-BHC	No detected value of B, Step 7		No	Ud;MEC<C & no B												
105	gamma-BHC	No detected value of B, Step 7		No	Ud;MEC<C & no B												
106	delta-BHC	No Criteria	No Criteria	Uc	No Criteria												
107	Chlordane	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
108	4,4'-DDT	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
109	4,4'-DDE (linked to DDT)	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
110	4,4'-DDD	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
111	Dieldrin	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
112	alpha-Endosulfan	No detected value of B, Step 7		No	Ud;MEC<C & no B												
113	beta-Endolsulfan	No detected value of B, Step 7		No	Ud;MEC<C & no B												
114	Endosulfan Sulfate	No detected value of B, Step 7		No	Ud;MEC<C & no B												
115	Endrin	No detected value of B, Step 7		No	Ud;MEC<C & no B												
116	Endrin Aldehyde	No detected value of B, Step 7		No	Ud;MEC<C & no B												
117	Heptachlor	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
118	Heptachlor Epoxide	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												
119-125	**PCBs sum (2)**	No detected value of B, Step 7		Yes	MEC>=C	0.00017	2.01	0.00034	0.32		0.53	0.01	0.01	1.55	0.01146	3.11	0.02300
126	Toxaphene	No detected value of B, Step 7		No	UD;Effluent ND,MDL>C												

Notes:
Ud = Undetermined due to lack of data
Uc = Undetermined due to lack of CTR Water Qual
C = Water Quality Criteria
B = Background receiving water data

Fact Sheet Attachment J
Reasonable Potential Analysis and WQBELs Calculations
Owens-Brockway Glass, Incoporated (Discharge Point 002)

CTR#	Parameters	LIMITS			Recommendation	Comment
		RPA				
		Lowest AMEL	Lowest MDEL	Title 22 (MCL) or Previous Limits		
1	Antimony			6.00	No Limit	
2	Arsenic			10.00	Previous Permit Limit	Based on MCL
3	Beryllium				No Limit	
4	Cadmium (CTR)	0	0	5.00		
4	Cadmium (TMDL Wet Weather)	1.5	3.1		TMDL Wet Weather	TMDL-Based WQBEL
5a	Chromium (III)				No Limit	
5b	Chromium (VI)				No Limit	
6	Copper (CTR)	0.0	0.0			
6	Copper (TMDL Dry Weather)	18.0	36.1		TMDL Dry Weather	TMDL-Based WQBEL
6	Copper (TMDLWet Weather)	8.5	17.0		TMDL Wet Weather	TMDL-Based WQBEL
7	Lead (CTR)	0.0	0.0			
7	Lead (TMDL Dry Weather)	9.0	18.1		TMDL Dry Weather	TMDL-Based WQBEL
7	Lead (TMDL Wet Weather)	30.9	62.0		TMDL Wet Weather	TMDL-Based WQBEL
8	Mercury	0.051	0.102	2.00	CTR	CTR Based WQBEL
9	Nickel			100.00	MCL	Trigger 3
10	Selenium	4.1	8.2	50.00	CTR	CTR Based WQBEL
11	Silver			50.00	Previous Permit Limit	Previous Permit Limit
12	Thallium			2.00	MCL	Trigger 3
13	Zinc (CTR)	0	0			
13	Zinc (TMDL Wet Weather)	79.3	159.0		TMDL Wet Weather	TMDL-Based WQBEL
14	Cyanide			200.00	CTR	Trigger 3
15	Asbestos				No Limit	
16	2,3,7,8 TCDD	0.0000000140	0.0000000281	0.00000003	CTR	CTR Based WQBEL
17	Acrolein				No Limit	
18	Acrylonitrile				No Limit	
19	Benzene				No Limit	
20	Bromoform				No Limit	
21	Carbon Tetrachloride				No Limit	
22	Chlorobenzene				No Limit	
23	Chlorodibromomethane				No Limit	
24	Chloroethane				No Limit	
25	2-Chloroethylvinyl ether				No Limit	
26	Chloroform				No Limit	
27	Dichlorobromomethane				No Limit	
28	1,1-Dichloroethane				No Limit	
29	1,2-Dichloroethane				No Limit	
30	1,1-Dichloroethylene				No Limit	
31	1,2-Dichloropropane				No Limit	
32	1,3-Dichloropropylene				No Limit	
33	Ethylbenzene				No Limit	
34	Methyl Bromide				No Limit	
35	Methyl Chloride				No Limit	
36	Methylene Chloride				No Limit	
37	1,1,2,2-Tetrachloroethane				No Limit	
38	Tetrachloroethylene				No Limit	
39	Toluene				No Limit	
40	1,2-Trans-Dichloroethylene				No Limit	
41	1,1,1-Trichloroethane				No Limit	
42	1,1,2-Trichloroethane				No Limit	
43	Trichloroethylene				No Limit	
44	Vinyl Chloride				No Limit	
45	2-Chlorophenol				No Limit	
46	2,4-Dichlorophenol				No Limit	
47	2,4-Dimethylphenol				No Limit	
48	4,6-dinitro-o-resol (aka2-methyl-4,6-Dinitrophenol)				No Limit	
49	2,4-Dinitrophenol				No Limit	
50	2-Nitrophenol				No Limit	
51	4-Nitrophenol				No Limit	
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)				No Limit	
53	Pentachlorophenol			1.00	MCL	Based on MCL
54	Phenol				No Limit	
55	2,4,6-Trichlorophenol				No Limit	
56	Acenaphthene				No Limit	
57	Acenaphthylene				No Limit	
58	Anthracene				No Limit	
59	Benzidine				No Limit	
60	Benzo(a)Anthracene				No Limit	
61	Benzo(a)Pyrene				No Limit	

CTR#	Parameters	LIMITS			Recommendation	Comment
		RPA				
		Lowest AMEL	Lowest MDEL	Title 22 (MCL) or Previous Limits		
62	Benzo(b)Fluoranthene				No Limit	
63	Benzo(ghi)Perylene				No Limit	
64	Benzo(k)Fluoranthene				No Limit	
65	Bis(2-Chloroethoxy)Methane				No Limit	
66	Bis(2-Chloroethyl)Ether				No Limit	
67	Bis(2-Chloroisopropyl)Ether				No Limit	
68	Bis(2-Ethylhexyl)Phthalate			4.00	MCL	Based on MCL
69	4-Bromophenyl Phenyl Ether				No Limit	
70	Butylbenzyl Phthalate				No Limit	
71	2-Chloronaphthalene				No Limit	
72	4-Chlorophenyl Phenyl Ether				No Limit	
73	Chrysene				No Limit	
74	Dibenzo(a,h)Anthracene				No Limit	
75	1,2-Dichlorobenzene				No Limit	
76	1,3-Dichlorobenzene				No Limit	
77	1,4-Dichlorobenzene				No Limit	
78	3,3 Dichlorobenzidine				No Limit	
79	Diethyl Phthalate				No Limit	
80	Dimethyl Phthalate				No Limit	
81	Di-n-Butyl Phthalate				No Limit	
82	2,4-Dinitrotoluene				No Limit	
83	2,6-Dinitrotoluene				No Limit	
84	Di-n-Octyl Phthalate				No Limit	
85	1,2-Diphenylhydrazine				No Limit	
86	Fluoranthene				No Limit	
87	Fluorene				No Limit	
88	Hexachlorobenzene				No Limit	
89	Hexachlorobutadiene				No Limit	
90	Hexachlorocyclopentadiene				No Limit	
91	Hexachloroethane				No Limit	
92	Indeno(1,2,3-cd)Pyrene				No Limit	
93	Isophorone				No Limit	
94	Naphthalene				No Limit	
95	Nitrobenzene				No Limit	
96	N-Nitrosodimethylamine				No Limit	
97	N-Nitrosodi-n-Propylamine				No Limit	
98	N-Nitrosodiphenylamine				No Limit	
99	Phenanthrene				No Limit	
100	Pyrene				No Limit	
101	1,2,4-Trichlorobenzene				No Limit	
102	Aldrin				No Limit	
103	alpha-BHC				No Limit	
104	beta-BHC				No Limit	
105	gamma-BHC				No Limit	
106	delta-BHC				No Limit	
107	Chlordane				No Limit	
108	4,4'-DDT				No Limit	
109	4,4'-DDE (linked to DDT)				No Limit	
110	4,4'-DDD				No Limit	
111	Dieldrin				No Limit	
112	alpha-Endosulfan				No Limit	
113	beta-Endolsulfan				No Limit	
114	Endosulfan Sulfate				No Limit	
115	Endrin				No Limit	
116	Endrin Aldehyde				No Limit	
117	Heptachlor				No Limit	
118	Heptachlor Epoxide				No Limit	
119-125	**PCBs sum (2)**	**0.00017**	**0.00034**	**0.50**	**CTR**	**CTR Based WQBEL**
126	Toxaphene				No Limit	

Notes:
Ud = Undetermined due to lack of data
Uc = Undetermined due to lack of CTR Water Qual
C = Water Quality Criteria
B = Background receiving water data