

Site#: A0030

Site name: Owens-Brockway Glass Container Inc.

Period: 1/1/12 to 6/30/12

Address: 3600 Alameda Avenue City: Oakland

State: CA

Zip: 94601

The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any, and the compliance status for the indicated source during the current six month period. The source or facility is in compliance if a "Y" is written in the compliance column. If not an "N" is written. The source or facility is in compliance for the entire six month period if a "C" is written in the "Cont or Int" column. If the source or facility is out of compliance for part of the time period an "I" is written. If the source or facility is out of compliance for the entire time period an "N" is written. If an "I" is written in the compliance column the number of days out of compliance will be indicated.

**Applicable Limits, Compliance Monitoring Requirements, and Status
S 10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED**

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelmann 1.0 ≤/= 3 min/hr	BAAQMD 6-501 BAAQMD Cond # 11930, part 8	Continuous Opacity Monitor	Y	I	7, see Appendix, Table I
	BAAQMD 6-302	20% opacity	BAAQMD 6-501, BAAQMD Cond # 11930, part 8	Continuous Opacity Monitor	Y	I	7, see Appendix, Table I
FP	BAAQMD 6-310	0.15 gr/dscf	BAAQMD Cond # 11930, part 7	Annual Source Test	Y	C	
	BAAQMD 6-311	40 lb/hr	BAAQMD Cond # 11930, part 7	Annual Source Test	Y	C	
NOx	BAAQMD 9-12-301	5.5 lb/ton	BAAQMD 9-12-404	Annual Source Test	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits and Compliance Monitoring Requirements, and Status S 10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
NOx	BAAQMD 9-12-301	5.5 lb/ton	BAAQMD Cond # 11930, part 3	CEM	Y	C	
NOx	BAAQMD Condition 11930, part 2	212.7 ton NOx in any consecutive 12 month period	BAAQMD Cond # 11930, part 3	CEM	Y	I	1; see Appendix, Table IX
SO2	BAAQMD 9-1-301	GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours			Y	C	
	BAAQMD 9-1-302	Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Cond # 11930, part 6	Annual Source Test	Y	C	
Lead	BAAQMD 11-1-301	15 lb/day	BAAQMD Cond # 11930, part 5	Annual Source Test	Y	C	
	BAAQMD 11-1-302	GLC not to exceed 1.0 ug/cu. m., 24 hr. avg.			Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits and Compliance Monitoring Requirements, and Status S 10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Glass Production	BAAQMD Cond #11930, part 1	125,000 ton/yr	BAAQMD Cond #11930, part 4a and 4c	Record keeping	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits, Compliance Monitoring Requirements, and Status S 11, GLASS MELTING FURNACE "D" NATURAL GAS FIRED

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Con or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelmann 1.0 ≤/ = 3 min/hr	BAAQMD 6-501, BAAQMD Cond # 11930, part 8	Continuous Opacity Monitor	Y	I	4; see Appendix, Table II
	BAAQMD 6-302	20% opacity	BAAQMD 6-501, BAAQMD Cond # 11930, part 8	Continuous Opacity Monitor	Y	I	4; see Appendix, Table II
FP	BAAQMD 6-310	0.15 gr/dscf	BAAQMD Cond # 11930, part 7	Annual Source Test	Y	C	
	BAAQMD 6-311	40 lb/hr	BAAQMD Cond # 11930, part 7	Annual Source Test	Y	C	
NOx	BAAQMD 9-12-301	5.5 lb/ton	BAAQMD 9-12-404 and Condition #21614 part 8	Annual Source Test	Y	C	
	Condition #21614 part 5	4.0 lb/ton	Condition #21614 part 7	Continuous Emissions Monitor	Y	C	
CO	Condition #21614 part 6	0.70 lb/ton	Condition #21614 part 8	Annual Source Test	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits, Compliance Monitoring Requirements, and Status S 11, GLASS MELTING FURNACE "D" NATURAL GAS FIRED

Type of Limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Con or Int	Days out of compliance / Comments
SO2	BAAQMD 9-1-301	GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours			Y	C	
	BAAQMD 9-1-302	Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Cond # 11930, part 6	Annual Source Test	Y	C	
Lead	BAAQMD 11-1-301	15 lb/day	BAAQMD Cond # 11930, part 5	Annual Source Test	Y	C	
Lead	BAAQMD 11-1-302	GLC not to exceed 1.0 ug/cu. m, 24 hr. avg.			Y	C	
Glass Production	BAAQMD Cond #11930, part 1	125,000 ton/yr	BAAQMD Cond #11930, part 4b and 4c	Record keeping	Y	C	
Fuel Flow	Condition #21614 part 7		Condition #21614 part 7	Continuous Fuel Flow Meter	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits, Compliance Monitoring Requirements, and Status S 12, GLASS MELTING FURNACE "E" NATURAL GAS FIRED

Type of Limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelmann 1.0 ≤/ = 3 min/hr	BAAQMD 6-501 BAAQMD Cond # 11931, part 6	Continuous Opacity Monitor	Y	C	
	BAAQMD 6-302	20% opacity	BAAQMD 6-501 BAAQMD Cond # 11931, part 6	Continuous Opacity Monitor	Y	C	
FP	BAAQMD 6-310	0.15 gr/dscf	BAAQMD Cond # 11931, part 5	Annual Source Test	Y	C	
	BAAQMD 6-310	40 lb/hr	BAAQMD Cond # 11931, part 5	Annual Source Test	Y	C	
NOx	BAAQMD 9-12-301	5.5 lb/ton	BAAQMD 9-12-405	Annual Source Test	Y	C	
	Condition #20003 part 5	4.0 lb/ton	Condition #20003 part 7	Continuous Emissions Monitor	Y	C	
CO	Condition #20003 part 6	0.7 lb/ton	Condition #20003 part 8	Annual Source Test	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits, Compliance Monitoring Requirements, and Status S 12, GLASS MELTING FURNACE "E" NATURAL GAS FIRED

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
SO2	BAAQMD 9-1-301	GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours			Y	C	
	BAAQMD 9-1-302	Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Cond # 11931, part 4	Annual Source Test	Y	C	
Lead	BAAQMD 11-1-301	15 lb/day	BAAQMD Cond # 11930, part 3	Annual Source Test	Y	C	
	BAAQMD 11-1-302	GLC not to exceed 1.0 ug/cu. m., 24 hr. avg.			Y	C	
Glass Production	BAAQMD Condition #11931, part 1	110,000 ton/yr	BAAQMD Cond #11931, part 2	Record keeping	Y	C	
Fuel Flow	Condition #20003, part 7		Condition #20003, part 7	Continuous Fuel Flow Meter	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits, Compliance Monitoring Requirements, and Status S-136, S-25, S-27, S-29, S-30, S-32, & S-33, HOT END BOTTLE SURFACE TREATMENT

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelmann 1.0 ≤ 3 min/hr	BAAQMD 6-301	Pressure Drop monitoring	Y	C	
	BAAQMD 6-305	Ringelmann 1.0 ≤ 3 min/hr	BAAQMD 6-305	Visual	Y	C	
Weight	BAAQMD 6-310	0.15 gr/dscf	BAAQMD 6-310	Source Test	Y	C	
Appearance	BAAQMD 6-401	Visual	BAAQMD 6-401	Visual	Y	C	
Throughput	BAAQMD Condition #23142, part 1	950 gal/yr per source	BAAQMD Condition #23142, part 1	Record keeping	Y	C	
	BAAQMD Condition #23142, part 2	0.62 #POC/gal. 0.55#PM/gal. 0.058#HCl/gal.	BAAQMD Condition #23142, part 2	Source Test	Y	I	I; see Appendix, Table VII
	BAAQMD Condition #23142, part 3	0.62 #POC/gal. 0.55#PM/gal. 0.058#HCl/gal. 0.85#NH3/hr	BAAQMD Condition #23142, part 3	Source Test	Y	I	I; see Appendix, Table VII
	BAAQMD Condition #23142, part 4	950 gal/yr per source	BAAQMD Condition #23142, part 4	Record keeping	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

**Applicable Limits, Compliance Monitoring Requirements, and Status
 S-39, RAW MATERIAL UNLOADING STATION, S-57, ECOLOGY CULLET ELEVATOR,
 S-75 to S-77, S-79 to S-81, FORMING MACHINES, S-83 to S-84, FORMING MACHINES**

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelmann 1.0 <= 3 min/hr	BAAQMD Condition # 15855 part 2	Visible emission monitoring	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

**Applicable Limits, Compliance Monitoring Requirements, and Status
S-41 & 42, BATCH MIXERS A & B, S-48, LIME STORAGE BINS,
S-50, SODA ASH STORAGE BINS, S-52, SAND STORAGE BINS,
S-56, CULLET STORAGE BINS, S-58, SALT CAKE STORAGE AREA,**

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelmann 1.0 ≤/ = 3 min/hr	BAAQMD Condition # 16591, parts 2 and 3	Pressure Drop monitoring	Y	C	
	BAAQMD 6-301	Ringelmann 1.0 ≤/ = 3 min/hr	BAAQMD Condition # 16591, part 4	Annual inspection	Y	C	
FP	BAAQMD 6-310	0.15 gr/dscf	BAAQMD Condition # 16591, parts 2 and 3	Pressure Drop monitoring	Y	C	
	BAAQMD 6-310	0.15 gr/dscf	BAAQMD Condition # 16591, part 4	Annual inspection	Y	C	
FP	BAAQMD 6-311	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 16591, parts 2 and 3	Pressure Drop monitoring	Y	C	
	BAAQMD 6-311	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 16591, part 4	Annual inspection	Y	C	
Pressure Drop	BAAQMD Condition # 16591, parts 2	1" – 15" WC	BAAQMD Condition # 16591, parts 3	Pressure Drop monitoring	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits, Compliance Monitoring Requirements, and Status S-43, CULLET CRUSHER, S-44, SAND ELEVATOR

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelmann 1.0 $\leq 3 \text{ min/hr}$			Y	C	
FP	BAAQMD 6-310	0.15 gr/dscf			Y	C	
FP	BAAQMD 6-311	4.10P ^{0.57} lb/hr, where P is process weight, ton/hr			Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits, Compliance Monitoring Requirements, and Status S-63, MOLD REPAIR SHOP

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
VOC	none	none	BAAQMD 8-16-501.2	Record Keeping	Y	C	

Applicable Limits, Compliance Monitoring Requirements, and Status S-67, MOLD REPAIR COATING OVEN

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
TSP	BAAQMD 6-301	Ringelmann 1.0 ≤ 3 min/hr	BAAQMD Cond # 15855 part 2	Visible emission monitoring	Y	C	
FP	BAAQMD 6-310	0.15 gr/dscf			Y	C	
VOC	BAAQMD 8-2-301	15 pounds per day and 300 ppm carbon			Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits, Compliance Monitoring Requirements, and Status S-97 BALEER

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelmann 1.0 ≤ 3 min/hr	BAAQMD Condition # 16592, part 3	Visible emission monitoring	Y	C	
FP	BAAQMD 6-310	0.15 gr/dscf	BAAQMD Condition # 16592, part 3	Visible emission monitoring	Y	C	
	BAAQMD 6-311	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 16592, part 3	Visible emission monitoring	Y	C	

SEMI-ANNUAL TITLE V MONITORING REPORT

Applicable Limits, Compliance Monitoring Requirements, and Status
S-130 Emergency Diesel Electric Generator, Natural Gas Fired, 188hp
S-131 Diesel Engine, Emergency Standby, 335 hp
S-132 Diesel Engine, Emergency Standby, 610 hp
S-133 Diesel Engine, Emergency Standby, 369 hp

Type of limit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-303	Ringelmann 2.0 ≤ 3 min/hr	none	N/A	Y	C	
FP	BAAQMD 6-305	Visible Particulates	BAAQMD 6-601	Visual Inspection	Y	C	
	BAAQMD 6-310	0.15 gr/dscf		Visible emission monitoring	Y	C	
SO2	BAAQMD 9-1-304	Sulfur content of liquid fuel $\leq 0.5\%$ by weight	BAAQMD 9-1-502 and Condition 22050, parts 4 and 5	Fuel Certification	Y	C	
Records	BAAQMD 9-8-330	Hours of Operation	BAAQMD 9-8-530 and Condition 22050, part 1	Recordkeeping	Y	C	

Appendix

Listing of specific instances of intermittent non-compliance

Owens-Brockway Glass Container

TABLE I

Source #: 10 Glass Melting Furnace "C"

Semi-Annual Title V Compliance Certification; Jan 1 to Jun 30, 2012

Citation ID 06-301 & 06-302

EPISODE ID #	SOURCE	START		DURATION	DATES OF INDICATED OPACITY EXCESS		CAUSE
		DATE	TIME		Exceedence Duration >20%	>30%	
06D28	10	1/19/12	1537	4m	4m	0m	Rich fire to reduce NOX
06D34	10	1/22/12	1407	13m	13m	1m	Rich fire to reduce NOX
06D38	10	1/24/12	0306	33m	33m	0m	Rich fire to reduce NOX
06D46	10	1/31/12	0725	9m	9m	<1m	Rich fire to reduce NOX
06E39	10	3/20/12	2318	5m	5m	0m	Batch mixing failure, for to use 100% cullet
06E68	10	4/10/12	0740	20m	20m	7m 40s	Canal cleaning. District informed prior and EF requested
06F13	10	5/5/12	2000	4m	4m	2m	Water jacket on charger leaked water causing steam to show as opacity

Owens-Brockway Glass Container

TABLE II

Source #: 11 Glass Melting Furnace "D"

Semi-Annual Title V Compliance Certification; Jan 1 to Jun 30, 2012

Citation ID 06-301 & 06-302

EPISODE ID #	SOURCE	START		DURATION	DATES OF INDICATED OPACITY EXCESS		CAUSE
		DATE	TIME		Exceedence Duration >20%	>30%	
06D97	11	3/4/12	0806	4m	4m	2m	MCS failed
06F04	11	5/2/12	1604	4m	4m	1m	Needle broke forehearth froze reduced pull melter overheated
06F43.44	11	5/27/12	0504	8m	8m	5m 30s	PG&E power outage lost MCS process variable settings
Not Reported	11	12/23/11	2000	4m	4m	1m	Not an excess but not reported so NOV issued for not reporting in 96 hours

Owens-Brockway Glass Container

TABLE III

Source #: 12 Glass Melting Furnace "E"

Semi-Annual Title V Compliance Certification; Jan 1 to Jun 30, 2012

Citation ID 06-301 & 06-302

EPISODE ID #	SOURCE	START		DURATION	DATES OF INDICATED OPACITY EXCESS		CAUSE
		DATE	TIME		Exceedence Duration >20%	>30%	

Note: Indicated opacity excess listed under source 12 as ESP were from the Electrostatic Precipitator. Abatement device #A9. NFA is No Further Action

TABLE V

Owens-Brockway Glass Container

Source #: 10, 11, and 12 Glass Melting Furnaces "C", "D", and "E"

Semi-Annual Title V Compliance Certification: Jan 1 to Jun 30, 2012

Citation ID # 01-522 - Continuous Emission Monitoring and Recordkeeping Regulation

DATES OF INOPERATIVE MONITORING						
EPISODE ID #	SOURCE	START		DURATION	GEM DEVICE	DETAILS
		DATE	TIME			
06C91	11	1/22/2012	0600	28h	Teledyne 200EM	Failed daily calibration, plugged orifice, replaced

TABLE VII

Owens-Brockway Glass Container						
Source #: 10, 11, and 12 Glass Melting Furnaces "C", "D", and "E"						
Semi-Annual Title V Compliance Certification: Jan 1 to Jun 30, 2012						
Citation ID # 6-310, 6-31, 9-12-301, 9-1-302, 11-1-302, Cond. #21614 part 8, Cond. #20003 part 8 - Annual Source Test						
DATES OF SOURCE TEST MONITORING FAILURE						
EPISODE ID #	SOURCE	START		DURATION	Type of Limit	DETAILS
		DATE	TIME			
06D61	A-1	1/27/12	0800	1d	PM, HCl	Tin baghouse failed 5 yr source test. NOV #A51243

TABLE VIII

Owens-Brockway Glass Container						
Source #: 10, 11, and 12 Glass Melting Furnaces "C", "D", and "E"						
Semi-Annual Title V Compliance Certification: Jul 1 to Dec 31, 2012						
Citation ID # 6-310, 6-31, 9-12-301, 9-1-302, 11-1-302, Cond. #21614 part 8, Cond. #20003 part 8 - Annual Source Test						
DATES OF SOURCE TEST MONITORING FAILURE						
EPISODE ID #	SOURCE	START		DURATION	Type of Limit	DETAILS
		DATE	TIME			

TABLE IX

Owens-Brockway Glass Container

Source #: 10, 11, and 12 Glass Melting Furnaces "C", "D", and "E"

Semi-Annual Title V Compliance Certification; Jan 1 to Jun 30, 2012

Citation ID # 1-512, 2-6-501, 2-6-503, 6-501, 11-1-301, legal agreement, emissions banking; Cond. #11930 part 1-8

DATES OF SOURCE TEST MONITORING FAILURE						
EPISODE ID #	SOURCE	START		DURATION	Type of Limit	DETAILS
		DATE	TIME			
06D16	10	12/31/11	0001	1d	NOx	Late reporting of an excess of 212.7 tons NOx in a 12-month consecutive period : NOV #A51243

TABLE X

Owens-Brockway Glass Container

Source #: 10, 11, and 12 Glass Melting Furnaces "C", "D", and "E"

Semi-Annual Title V Compliance Certification; Jul 1 to Dec 31, 2012

Citation ID # 1-512, 2-6-501, 2-6-503, 6-501, 11-1-301, legal agreement, emissions banking; Cond. #11930 part 1-8

DATES OF SOURCE TEST MONITORING FAILURE						
EPISODE ID #	SOURCE	START		DURATION	Type of Limit	DETAILS
		DATE	TIME			