



Owens-Brockway Glass Container Inc.  
3600 Alameda Ave.  
Oakland, CA 94601  
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www.o-i.com

RECEIVED

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BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT

January 18, 2012

Certified Mail #7005 2570 0000 1885 2457

Director of Compliance and Enforcement  
Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109  
ATTN: Title V Reports

**RE: Title V Monitoring Report  
Owens-Brockway Glass Container, Inc  
Facility # A0030  
Reporting Period July 1, 2011 thru December 31, 2011**

Attached is the Semi-Annual Title V Monitoring Report for the Owens-Brockway Glass Container facility located at 3600 Alameda Avenue, Oakland, CA.

Based on the information and belief formed after reasonable inquiry, the statements and information in the attached Semi-Annual Title V Monitoring Report are true, accurate, and complete.

If you have any questions, please contact Bill Boscacci at (510) 436-2166.

Sincerely,

A handwritten signature in black ink that reads "Hillis Johnson". The signature is written in a cursive, flowing style.

Hillis Johnson  
Oakland Plant Manager  
Owens-Brockway Glass Container, Inc

Site#: A0030

Site name: Owens-Brockway Glass Container Inc.

Period: 7/1/11 to 12/31/11

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. If the source or facility is in compliance for the entire six month period if a "C" is written in the "Com 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	Com or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Range: maximum 1.0 <= 3 m/hr	BAAQMD 6-501 BAAQMD Cond # 11930, part 8	Continuous Opacity Monitor	Y	I	1 : see appendix
	UAAYQMD 6-302	20% opacity	BAAQMD 6-501, BAAQMD Cond # 11930, part 8	Continuous Opacity Monitor	Y	I	1 : see appendix
1P	BAAQMD 6-316	0.15 gpd/scf	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 S10, 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 / see appendix
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 2	CEM	Y	I	3 monthly period / see appendix
SO2	BAAQMD 9-1-301	GIAE 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 500 ppm (dry)	BAAQMD Cond # 11930, part 6	Annual Source Test	Y	C	
Lead	BAAQMD 11-1-301	15 lbs/day	BAAQMD Cond # 11930, part 5	Annual Source Test	Y	C	
	BAAQMD 11-1-302	GIAE not to exceed 1.0 ng/cu m, 24 hr avg.			Y	C	

**SEMI-ANNUAL TITLE V MONITORING REPORT**

**Applicable Limits and Compliance Monitoring Requirements, and Status  
S10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED**

Type of Limit	Emission Limit Criteria	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Code of Int	Days out of compliance / Comments
Glass Production	BAAQMD Cond #11930, part 1	125,000 tons/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	Emission Limit	Monitoring Requirement	Monitoring Type	Compliance	Con or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelman LB ≤ 5 lb/hr	BAAQMD 6-301, BAAQMD Cond n 11930, part 8	Continuous Opacity Monitor	Y	I	6 / see appendix
	BAAQMD 6-302	20% opacity	BAAQMD 6-301, BAAQMD Cond n 11930, part 8	Continuous Opacity Monitor	Y	I	6 / see appendix
PP	BAAQMD 6-310	0.15 g/gaer	BAAQMD Cond n 11930, part 7	Annual Source Test	Y	C	
	BAAQMD 6-311	40 lb/hr	BAAQMD Cond n 11930, part 7	Annual Source Test	Y	C	
NOx	BAAQMD 9-12-301	5.5 lb/hr	BAAQMD 9-12-404 and Condition #21614 part 8	Annual Source Test	Y	C	
	Condition #21614 part 5	4.0 lb/hr	Condition #21614 part 7	Continuous Emissions Monitor	Y	C	
CO	Condition #21614 part 6	0.70 lb/hr	Condition #21614 part 8	Annual Source Test	Y	C	

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S11, GLASS MELTING FURNACE "JP" NATURAL GAS FIRED

Type of Unit	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Con or Int	Days out of compliance / Comments
SO2	BAAQMD 9-I-301	GLC of 0.5 ppm for 3 min. or 0.25 ppm for 48 min. or 0.05 ppm for 24 hours			Y	C	
	BAAQMD 9-I-302	Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Cond # 11930, part 6	Annual Source Test	Y	C	
Lead	BAAQMD 11-I-301	15 lbs/day	BAAQMD Cond # 11930, part 5	Annual Source Test	Y	C	
Lead	BAAQMD 11-I-302	GLC not to exceed 1.0 ug/cu. m, 24 hr. avg.			Y	C	
Chassis Production	BAAQMD #11930, part 1	125,000 units/yr	BAAQMD Cond #11930, part 4b and 4c	Record keeping	Y	C	
Fuel Flow	Condition #21614 part 7		Condition #21614 part 7	Continuous Flow Flow Meter	Y	C	

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S 12, GLASS MELTING FURNACE 9ET NATURAL GAS FIRED

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

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S 12, GLASS MELTING FURNACE (FURNACE NATURAL GAS FIRED)

Type of limit	Emission Limit Citation	Permissible Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Cost 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/vol m. 24 hr. avg.			Y	C	
Glass Production	BAAQMD Condition #11931, part 1	110,000 tons/yr	BAAQMD Cond #11931, part 2	Record Keeping	Y	C	
Fuel Flows	Condition #20005, part 7		Condition #20005, 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 Condition	Emission Limit	Monitoring Requirement Condition	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Opacity	BAAQMD 6-301	Ringelmann 1.0 <= 3 m/hr/hr	BAAQMD 6-301	Pressure Drop monitoring	Y	C	
	BAAQMD 6-305	Ringelmann 1.0 <= 3 m/hr/hr	BAAQMD 6-305	Visual	Y	C	
Weight	BAAQMD 6-310	0.15 g/m <sup>3</sup> dust	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 HPCO/gal 0.55HPCO/gal #0589HPCO/gal.	BAAQMD Condition #23142, part 2	Source Test	Y	C	
	BAAQMD Condition #23142, part 3	0.55HPCO/gal #0589HPCO/gal. 0.85#HPCO/hr	BAAQMD Condition #23142, part 3	Source Test	Y	C	
	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-135, S-76, S-77, S-79, S-80, S-83 and 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 Limit	35A-CM13 6-201	Ringelmann 1.0 ≤-3 month	35A-CM13 Condition # 15255 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 Limitation	Emission Limit	Monitoring Requirement	Monitoring Type	Compliance	Cont or Int	Days out of compliance / Comments
Operating	BAAQMD 6-301	Range: 0.0001 to <math>3 \text{ mg/dhr}</math>	BAAQMD Condition # 16591, parts 2 and 3	Pressure Drop monitoring	Y	C	
	BAAQMD 6-301	Range: maximum 1.0 <math>\leq 3 \text{ mg/dhr}</math>	BAAQMD Condition # 16591, part 4	Annual inspection	Y	C	
FP	BAAQMD 6-310	0.15 g/dhr	BAAQMD Condition # 16591, parts 2 and 3	Pressure Drop monitoring	Y	C	
	BAAQMD 6-310	0.15 g/dhr	BAAQMD Condition # 16591, part 4	Annual inspection	Y	C	
FP	BAAQMD 6-311	4.10 g/dhr	BAAQMD Condition # 16591, parts 2 and 3	Pressure Drop monitoring	Y	C	
	BAAQMD 6-311	4.10 g/dhr where P is process weight, lb/hr	BAAQMD Condition # 16591, part 4	Annual inspection	Y	C	
Pressure Drop	BAAQMD Condition # 16591, parts 2	1" - 1.5" 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, CULLETT CRUISER, 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 6-201	Ringelmann 1.0 ≤ 3 m/hr			Y	C	
FP	BAAQMD 6-210	0.15 g/dscf			Y	C	
FP	BAAQMD 6-311	4.10 <sup>th</sup> lb/hr, where P is process weight load/hr			Y	C	

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S-67, MOLD REPAIR SHOP

Type of Limit	Emission Limit	Monitoring Requirement	Monitoring Type	Compliance	Cost of Test	Days out of compliance / Comments
VOC	none	BAAQMD 8-16-501.2	Record Keeping	Y	0	

## Applicable Limits, Compliance Monitoring Requirements, and Status S-67, MOCD REPAIR COATING OWEN

Type of Limit	Emission Limit	Emission Limit	Monitoring Requirement	Monitoring Type	Compliance	Cost of Test	Days out of compliance / Comments
TSP	BAAQMD 6-301	Ringhmann 1.0 @ 3 min/hr	BAAQMD Cond # 15855 part 2	Visible emission monitoring	Y	0	
EP	BAAQMD 6-110	0.15 g/dscf			Y	0	
VOC	BAAQMD 8-1-301	15 pounds per day and 300 ppm carbon			Y	0	

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S-97 BALTER

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	Trimpelton 10 ≤ 3 mib/hr	BAAQMD Condition # 16592, part 3	Visible emission monitoring	Y	C	
FP	BAAQMD 6-310	0.15 gpd/scf	BAAQMD Condition # 16592, part 3	Visible emission monitoring	Y	C	
	BAAQMD 6-311	4.10 gpd/scf where P is process weight, lbs/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 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 Unit	Exemption Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Type	Compliance	Conformance	Days out of compliance / Comments
Openly	BAAQMD 6-303	Range from 2.0 to 3 microhr	none	N/A	Y	C	
FP	BAAQMD 6-305	Visible Particulates	MAAQMD 6-601	Visual Inspection	Y	C	
	BAAQMD 6-310	0.15 gpdiscf		Visible emission monitoring	Y	C	
SO2	BAAQMD 9-1-504	Sulfur content of liquid fuel <or - 0.5% by weight	BAAQMD 9-1-512 and Condition ZZUSL, parts 4 and 5	Fuel Certification	Y	C	
Records	BAAQMD 9-8-339	Hours of Operation	BAAQMD 9-8-530 and Conditions 22050, part 1	Recordkeeping	Y	C	

## **Appendix**

Listing of specific instances of intermittent non-compliance



Owens-Brockway Glass Container

Source #: 10 Glass Melting Furnace "C"

Semi-Annual Title V Compliance Certification, Jul 1 to Dec 31, 2011

Craton ID 06-301 & 06-302

TABLE I

EPISODE ID #	SOURCE	START DATE	START TIME	DURATION	DATES OF INDICATED OPACITY EXCESS			CAUSE	STATUS
					>20%	>30%	>40%		
06B40	10	08/31	0245	5m	4m	1m	Shutdown Procedure error	N/A	

TABLE II

Owens-Brockway Glass Container

Source #: 11 Glass Melting Furnace "D"

Semi-Annual Title V Compliance Certification, Jul 1 to Dec 31, 2011

Craton ID 06-301 & 06-302

EPISODE ID #	SOURCE	START DATE	START TIME	DURATION	DATES OF INDICATED OPACITY EXCESS			CAUSE	STATUS
					>20%	>30%	>40%		
06B44	11	7/6/11	1454	6m	6m	3m	Breakdown, gas safety shut-off switch	Pending	
06B39	11	8/5/11	0723	4m	4m	3m	Empty air cylinder	N/A	
06B84	11	9/29/11	1042	4m	4m	3m	Hot weather	N/A	
06C23	11	11/7/11	0822	3h 32m	15m	9m	Non-adherence to established SOP's	NOV 26, 2017	
06C45	11	11/27/11	0822	4m	4m	2m 30s	Gas valves too loose by vibration	N/A	
06D55	11	12/4/11	2358	4m	4m	2m	Abrupt atmospheric temperature change	Pending	

Owens-Brockway Glass Container

Source #: 12 Glass Melting Furnace "E"

Semi-Annual Title V Compliance Certification, Jul 1 to Dec 31, 2011

Craton ID 06-301 & 06-302

EPISODE ID #	SOURCE	START DATE	START TIME	DURATION	DATES OF INDICATED OPACITY EXCESS			CAUSE	STATUS
					>20%	>30%	>40%		

Note: Indicated opacity excesses listed under source 12 are left when from the Environmental Protection Agency. N/A is No Further Action

TABLE VI

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, 2011

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

DATES OF INOPERATIVE MONITORING						
EPISODE ID #	SOURCE	START		DURATION	CEM DEVICE	DETAILS
		DATE	TIME			
06856	10	9/22/2011	0700	27 Sh	Teladyna 200EM	Failed daily calibration, plugged orifice, replaced
06857	11	9/22/2011	0700	27 Sh	Teladyna 200EM	Failed daily calibration, plugged orifice, replaced

TABLE IV

Owens-Brockway Glass Container  
 Source #: 11 Glass Melting Furnace "D"  
 Title V Compliance Certification  
 Citation ID Cond# 11930, part 89

Owens-Brockway Glass Container  
 Source #: 12 Glass Melting Furnace "E"  
 Title V Compliance Certification  
 Citation ID Cond# 11931, part 07

DATES OF ABATEMENT DEVICE# A-9 DOWN					
EPISODE ID#	SOURCE	START DATE	TIME	DURATION	CAUSE
RCA#00CB1	11812	122411	800	144h	Annual ESP maintenance



Bill Boscacci  
Oakland, CA 94601  
+1 510 436 2166 tel  
+1 510 436 2032 fax  
bill.boscacci@ob.com

January 23, 2012

via Email

Bay Area Air Quality Management District  
Mr. Ken Kunaniec  
939 Ellis Street  
San Francisco, CA. 94109

**RE: December 2011 Monthly Compliance Report**

Dear Mr. Kunaniec:

Attached is the December Monthly Compliance Report for Owens Brockway Glass Containers, Plant #30. Included are the Opacity, NOx Emission, and Monitor Malfunction Reports for Source Numbers S-10, S-11, and S-12, as required by our Title V permit.

If there are any questions please feel free to contact me at 510-436-2166.

Sincerely,

Bill Boscacci

EH&S Manager

**BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT  
MONTHLY CONTINUOUS EMISSION MONITORING REPORT**

COMPANY: OWENS-BROCKWAY GLASS CONTAINERS      SOURCE: 10

MONTH: December 2011      POLLUTANT: OPACITY

1. STATEMENT OF EXCESS EMISSIONS\* (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
None				

\* Excess for this source is:

- 1) Opacity indication greater than 20%

2. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEMS/CORRECTIVE ACTION
None			

*WJ Boscaro*

1/18/12

Signature and Date

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY: OWENS-BROCKWAYGLASS CONTAINERS

SOURCE: 11

MONTH: December 2011

POLLUTANT: OPACITY

1. STATEMENT OF EXCESS EMISSIONS\* (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
12/4/11	2356	4m	>20%	RCA #08C65

\* Excess for this source is:

- 1) Opacity indication greater than 20%

2. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEMS/CORRECTIVE ACTION
None			

*WJ Boscacci*

1/18/12

Signature and Date

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY: OWENS-BROCKWAY GLASS CONTAINERS

SOURCE: 12

MONTH: December 2011

POLLUTANT: OPACITY

1. STATEMENT OF EXCESS EMISSIONS\* (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
None				

\* Excess for this source is:

- 1) Opacity indication greater than 20%

2. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEMS/CORRECTIVE ACTION
None			

*W.J. Bossacci*

1/18/12

Signature and Date

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY OWENS-BROCKWAYGLASS CONTAINERS

SOURCE: A9  
Electrostatic Precipitator

MONTH: December 2011

POLLUTANT: OPACITY

1. STATEMENT OF EXCESS EMISSIONS\* (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
None				

\* Excess for this source is:

- 1) Opacity indication greater than 20%

2. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEMS/CORRECTIVE ACTION
None			

*WJ Bosacci*

1/18/12

Signature and Date



**BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT**

**MONTHLY CONTINUOUS EMISSION MONITORING REPORT**

COMPANY: OWENS-BROCKWAY GLASS CONTAINERS  
SOURCE: FURNACE C (S-10)  
PLANT NO. 30

MONTH: December 2011

POLLUTANT: NOx

**2. STATEMENT OF EXCESS EMISSIONS\*** (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
12/31/11	0001	1 month period	3.5 tons NOX	RCA #0BD16
				Permit Condition 11930
				Part 2

\* Excess for this source is:

- 1) Emission of nitrogen oxides exceeding 5.5 lbs per short ton of glass pulled.
- 2) Emission of nitrogen oxides exceeding 212.7 tons in any consecutive 12-month period.

**3. MONITOR MALFUNCTION**

DATE	TIME	DURATION	PROBLEMS/CORRECTIVE ACTION
None			

*WJ Boscarri*

1/18/12

Signature and Date.

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY: OWENS-BROCKWAY GLASS CONTAINERS  
SOURCE: FURNACE D (S-11)  
PLANT NO. 30

MONTH: December 2011

POLLUTANT: NO<sub>x</sub>

2. STATEMENT OF EXCESS EMISSIONS\* (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
None				

\* Excess for this source is:

- 1) Emission of nitrogen oxides exceeding 4.0 lbs per short ton of glass pulled.
- 2) Emission of nitrogen oxides exceeding 250 tons in any consecutive 12-month period.

3. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEMS/CORRECTIVE ACTION
12/24/11	0900	144h	RCA #06C81 EP Maintenance

*W. J. Boscarelli*

1/18/12

Signature and Date

**BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT**

**MONTHLY CONTINUOUS EMISSION MONITORING REPORT**

COMPANY: OWENS-BROCKWAY GLASS CONTAINERS  
SOURCE: FURNACE E (S-12)  
PLANT NO. 30

MONTH: December 2011

POLLUTANT: NO<sub>x</sub>

2. STATEMENT OF EXCESS EMISSIONS\* (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
None				

\* Excess for this source is:

- 3) Emission of nitrogen oxides exceeding 4.0 lbs per short ton of glass pulled.
- 4) Emission of nitrogen oxides exceeding 220 tons in any consecutive 12-month period.

3. MONITOR MALFUNCTION

DATE	TIME	DURATION	PROBLEMS/CORRECTIVE ACTION
8/16/10	0700	Continuing	RCA #05V30 / Furnace is not producing
8/16/10	0700	Continuing	RCA #05V31 / Furnace is not producing

*WJ Boscacci*

1/18/12

Signature and Date

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY: OWENS-BROCKWAY GLASS CONTAINERS  
SOURCE: FURNACE C (S-10)  
PLANT NO. A0030

MONTH: December 2011

POLLUTANT: NOx

1 EMISSION DATA:

Day	NOx lb/short Ton Glass 3 Hr Avg (5.5 Max./Day)
1	4.1
2	4.6
3	5.2
4	5.3
5	5.5
6	5.4
7	5.2
8	5.3
9	5.4
10	5.5
11	5.3
12	5.4
13	5.5
14	5.4
15	5.1
16	5.4
17	5.5
18	5.4
19	5.0
20	5.1
21	4.9
22	4.4
23	4.7
24	IDLE
25	IDLE
26	IDLE
27	IDLE
28	5.5
29	5.5
30	5.0
31	4.8

NOx - Tons/12 month period = 218.2

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY: OWENS-BROCKWAY GLASS CONTAINERS  
SOURCE: FURNACE D (S-11)  
PLANT NO. A0030

MONTH: December 2011

POLLUTANT: NOx

1. EMISSION DATA:

Day	NOx lb/short Ton Glass 3 Hr Avg (4.0 Max. /Day)
1	IDLE
2	IDLE
3	IDLE
4	IDLE
5	IDLE
6	IDLE
7	3.9
8	3.9
9	3.9
10	3.9
11	3.8
12	3.8
13	3.9
14	3.9
15	3.8
16	3.9
17	3.8
18	3.9
19	4.0
20	4.0
21	3.9
22	4.0
23	4.0
24	IDLE
25	IDLE
26	IDLE
27	IDLE
28	IDLE
29	IDLE
30	IDLE
31	IDLE

NOx - Tons/12 month period = 81.3

BAY AREA  
AIR QUALITY MANAGEMENT DISTRICT

MONTHLY CONTINUOUS EMISSION MONITORING REPORT

COMPANY: OWENS-BROCKWAY GLASS CONTAINERS  
SOURCE: FURNACE E (S-12)  
PLANT NO. A0030

MONTH: December 2011

POLLUTANT: NOx

1. EMISSION DATA:

Day	NOx lb/short Ton Glass 3 Hr Avg (4.0 Max./Day)
1	No Emissions
2	No Emissions
3	No Emissions
4	No Emissions
5	No Emissions
6	No Emissions
7	No Emissions
8	No Emissions
9	No Emissions
10	No Emissions
11	No Emissions
12	No Emissions
13	No Emissions
14	No Emissions
15	No Emissions
16	No Emissions
17	No Emissions
18	No Emissions
19	No Emissions
20	No Emissions
21	No Emissions
22	No Emissions
23	No Emissions
24	No Emissions
25	No Emissions
26	No Emissions
27	No Emissions
28	No Emissions
29	No Emissions
30	No Emissions
31	No Emissions

NOx - Tons/12 month period = 0.0

