



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

September 16, 2011

Mr. Gerardo Rios  
Chief - Permits Office  
U. S. EPA, Region IX  
75 Hawthorne Street, Air 3  
San Francisco, CA 94105

Dear Mr. Rios:

Reference: Transmittal of Proposed Title V Renewal Permit

Enclosed are the proposed Title V renewal permit, permit summary, statement of basis, public notice, and permit evaluation for Owens-Brockway Glass Container Inc. located at 2901-23 Fruitland Avenue, CA 92337. Incorporated into this Title V renewal permit are the proposed new limits for Devices C162, C163 and C196; the correction of typos in the descriptions of Devices D4, D8, D203, C204 and C205; the removal of Devices D141, D145, D171, D192, D193 and E201 for equipment that has been removed from service; and the addition of the missing Devices D279 and D280. With your receipt of the proposed Title V renewal permit today, we will note that the EPA 45-day review period will begin on September 16, 2011.

Questions on the proposed Title V renewal permit should be directed to Kien Huynh of my staff at (909) 396-2635.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian L. Yeh", is written over a faint, larger version of the same signature.

Brian L. Yeh  
Senior Manager  
Mechanical, Chemical, and Public Services

BLY:kh

Enclosures:

- Proposed Title V Renewal Permit
- Permit Summary
- Statement of Basis
- Public Notice
- Permit Evaluation

# South Coast Air Quality Management District

## Statement of Basis

### Proposed Title V Renewal Permit

**Facility Name:** Owens-Brockway Glass Container Inc.  
**Facility ID:** 7427  
**SIC Code:** 3221  
**Equipment Location:** 2001-23 Fruitland Avenue  
Vernon, CA 90058

**Application No.:** 500655  
**Application Submittal Date:** 7-15-09

**AQMD Contact Person:** Kien Huynh, Air Quality Engineer II  
**Phone Number:** (909) 396-2635  
**E-Mail Address:** khuynh@aqmd.gov

---

#### 1. Introduction and Scope of Permit

Title V is a national operating permit program for air pollution sources. Facilities subject to Title V must obtain a Title V permit and comply with specific Title V procedures to modify the permit. This permit replaces the facility's other existing permits. Title V does not necessarily include any new requirements for reducing emissions. It does, however, include new permitting, noticing, recordkeeping, and reporting requirements.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, each facility is required to submit a Title V renewal application and request the AQMD to renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The AQMD implements Title V through Regulation XXX – Title V Permits, adopted by the AQMD Governing Board in order to comply with EPA's requirement that local air permitting authorities develop a Title V program. Regulation XXX was developed with the participation of the public and affected facilities through a series of public workshops, working group meetings, public hearings and other meetings.

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. CO, NO<sub>2</sub>, SO<sub>2</sub>, and lead are in attainment with federal standards. The status for PM-10 is serious nonattainment. The status for ozone is currently extreme nonattainment.

A Title V permit is proposed to be issued to cover the operations of Owens-Brockway Glass Containers Inc. located at 2901-23 Fruitland Avenue, Vernon. This facility is subject to Title V requirements because it is a major source.

## **2. Facility Description**

This is an existing facility, applying for a Title V permit renewal, that is in the business of manufacturing glass containers.. The facility is operating an internal combustion engine, glass melting and heat treating furnaces, sand handling equipment, forming machines, bucket elevators, pneumatic conveyors, mixers, abrasive cabinets, storage silos, storage tanks, spray coating equipment, baghouses, cyclones, hammer mills, electrostatic precipitators and scrubbers.

## **3. Construction and Permitting History**

The facility has been in constant operation with a Title V permit at this location since 2005. Numerous permits to construct and permits to operate have been issued to the facility since 1929. An initial Title V permit was issued to the facility on January 1, 2005 and several permit revisions were subsequently issued to this facility.

## **4. Regulatory Applicability Determinations**

Applicable legal requirements for which this facility is required to comply are required to be identified in the Title V permit (for example, Sections D, E, and H of the proposed Title V permit). Applicability determinations (i.e., determinations made by the District with respect to what legal requirements apply to a specific piece of equipment, process, or operation) can be found in the Engineering Evaluations. The facility is not subject to any NESHAP Requirements. However, it is subject to the requirements of 40 CFR 60 Subpart CC - Standards of Performance for Glass Manufacturing Plants. The requirements of this NSPS are reflected in the Title V permit.

## **5. Monitoring and Operational Requirements**

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (for example, Section D, F, and J and Appendix B of the proposed Title V permit). Discussion of any applicable monitoring and operational requirements can be found in the Engineering Evaluations. All periodic monitoring requirements were developed using strict adherence to the following applicable guidance documents: SCAQMD Periodic Monitoring Guidelines for Title V Facilities (November 1997); CAPCOA/CARB/EPA Region IX Periodic Monitoring Recommendations for Generally Applicable Requirements in SIP (June 1999); and CAPCOA/CARB/EPA Region IX Recommended Periodic Monitoring for Generally Applicable Grain Loading Standards in the SIP: Combustion Sources (July 2001). Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 do not apply to any of the permitted emission sources at this facility because no emission source has potential pre-control emissions at the levels of the major source threshold.

## 6. Permit Features

### Permit Shield

A permit shield is an optional part of a Title V permit that gives the facility an explicit protection from requirements that do not apply to the facility. A permit shield is a provision in a permit that states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each equipment affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility has not applied for a permit shield.

### Streamlining Requirements

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

## 7. Summary of Emissions and Health Risks

### **Criteria Pollutant Emissions (tons/year) Annual Reported Emissions for 2010**

Pollutants	Emissions (tons/year)
CO	2.767
NOx	60.932
VOC	3.659
SOx	64.981
PM	40.438

### **Toxic Air Contaminants Emissions (TAC) Annual Reported Emissions for 2010**

The Following TACs Were Reported	Emissions, lbs/yr
Ammonia	2738.222
Arsenic	4.436
Benzene	5.031
Beryllium	0.004
Cadmium	3.279
Formaldehyde	10.676
Lead (inorganic)	48.22
Naphthalene	0.242
Nickel	1.379
PAHs, total, with components not reported	0.08

### **Health Risk from Toxic Air Contaminants**

The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). The Final Facility Health Risk was approved in 2001 with the following risk factors:

Cancer Risk	3.60 in one million
Acute Hazard Index	0.01
Chronic Hazard Index	0.06

### **8. Compliance History**

As noted, the facility has been in constant operation with a Title V permit since 2005. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had no citizen complaint filed in the last two years. 1 Notice to Comply (NC) and 3 Notices of Violation (NOVs) have been issued since 2009. NOV P54278 was issued on 3/2/09 for not submitting the annual compliance certification report for 2008 in time. The compliance for the NOV was achieved on 9/24/09. NC 21412 was issued on 11/19/09 for demonstrating compliance with Rule 2012, Appendix A, Chapter 2(B) and Compliance Advisory for CEMS operated at the facility. The compliance with the NC was achieved on 6/4/2010. NOV P54269 was issued on 3/16/09 for failing to comply with the ESP amperage and voltage limits. Compliance with the NOV will be achieved with the expected approval of the new limits (A/Ns 500377-8). NOV P54962 was issued on 7/5/2011 for failure to send process unit NOx and SOx electrically for the four quarters of 2010. The company has been in compliance with the requirement of sending process unit NOx and SOx electrically since 1/1/2011.

### **9. Compliance Certification**

By virtue of the Title V permit application and issuance of this permit, the reporting frequency for compliance certification for the facility shall be annual.

### **10. Comments**

Incorporated into this proposed permit are:

- The proposed new limits for Devices C162, C163 and C196.
- The correction of typos in the descriptions of Devices D4, D8, D203, C204 and C205.
- The removal of Devices D141, D145, D171, D192, D193 and E201 for equipment that has been removed from service.
- The addition of the missing Devices D279 and D280.

## 6. Permit Features

### Permit Shield

A permit shield is an optional part of a Title V permit that gives the facility an explicit protection from requirements that do not apply to the facility. A permit shield is a provision in a permit that states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each equipment affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility has not applied for a permit shield.

### Streamlining Requirements

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

## 7. Summary of Emissions and Health Risks

### **Criteria Pollutant Emissions (tons/year) Annual Reported Emissions for 2010**

Pollutants	Emissions (tons/year)
CO	2.767
NOx	60.932
VOC	3.659
SOx	64.981
PM	40.438

### **Toxic Air Contaminants Emissions (TAC) Annual Reported Emissions for 2010**

The Following TACs Were Reported	Emissions, lbs/yr
Ammonia	2738.222
Arsenic	4.436
Benzene	5.031
Beryllium	0.004
Cadmium	3.279
Formaldehyde	10.676
Lead (inorganic)	48.22
Naphthalene	0.242
Nickel	1.379
PAHs, total, with components not reported	0.08

### **Health Risk from Toxic Air Contaminants**

The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). The Final Facility Health Risk was approved in 2001 with the following risk factors:

Cancer Risk	3.60 in one million
Acute Hazard Index	0.01
Chronic Hazard Index	0.06

### **8. Compliance History**

As noted, the facility has been in constant operation with a Title V permit since 2005. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had no citizen complaint filed in the last two years. 1 Notice to Comply (NC) and 3 Notices of Violation (NOVs) have been issued since 2009. NOV P54278 was issued on 3/2/09 for not submitting the annual compliance certification report for 2008 in time. The compliance for the NOV was achieved on 9/24/09. NC 21412 was issued on 11/19/09 for demonstrating compliance with Rule 2012, Appendix A, Chapter 2(B) and Compliance Advisory for CEMS operated at the facility. The compliance with the NC was achieved on 6/4/2010. NOV P54269 was issued on 3/16/09 for failing to comply with the ESP amperage and voltage limits. Compliance with the NOV will be achieved with the expected approval of the new limits (A/Ns 500377-8). NOV P54962 was issued on 7/5/2011 for failure to send process unit NOx and SOx electrically for the four quarters of 2010. The company has been in compliance with the requirement of sending process unit NOx and SOx electrically since 1/1/2011.

### **9. Compliance Certification**

By virtue of the Title V permit application and issuance of this permit, the reporting frequency for compliance certification for the facility shall be annual.

### **10. Comments**

Incorporated into this proposed permit are:

- The proposed new limits for Devices C162, C163 and C196.
- The correction of typos in the descriptions of Devices D4, D8, D203, C204 and C205.
- The removal of Devices D141, D145, D171, D192, D193 and E201 for equipment that has been removed from service.
- The addition of the missing Devices D279 and D280.

# SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

## Title V Permit Summary

AQMD Facility ID:	7427	Company Name:	OWENS BROCWAY GLASS CONTAINER INC.
Equipment Location:	2901-23 Fruitland Ave., Vernon, Ca 90058		SIC Code: 3221
Permit Revision #:	20	Revision Date:	Facility Permit Section(s) Affected: ALL
Application #(s):	500655	Application Submittal Date(s):	7/15/2009
AQMD Contact Person:	Kien Huynh	Phone #:	E-Mail Address:
		(909) 396-2635	khuynh@aqmd.gov
<b>Project Description:</b> This is an existing facility, applying for a Title V renewal permit, that manufactures glass containers. The facility is operating an internal combustion engine, glass melting and heat treating furnaces, sand handling equipment, forming machines, bucket elevators, pneumatic conveyors, mixers, abrasive cabinets, storage silos, storage tanks, spray coating equipment, baghouses, cyclones, hammer mills, electrostatic precipitators and scrubbers.			
<b>Permit Type:</b> <input type="checkbox"/> Initial Title V Permit <input type="checkbox"/> Significant Revision <input checked="" type="checkbox"/> Permit Renewal			
<b>Permit Features:</b> <input type="checkbox"/> Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements <input type="checkbox"/> Permit Shield Applies <input checked="" type="checkbox"/> Permit Contains Conditions Allowing Emission Trading <input type="checkbox"/> Alternative Operating Scenario <input type="checkbox"/> Permit Streamlines Overlapping or Outdated Requirements <input type="checkbox"/> Other: _____ <input type="checkbox"/> Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance			
<b>Toxic Air Contaminant Emissions (TAC) - Annual Reported Emissions for Reporting Year: 2010</b>		<input type="checkbox"/> No TACs Reported <input checked="" type="checkbox"/> <u>The Following TACs Were Reported:</u> See Attached Table I	<b>Emissions (lbs/yr):</b>
<b>Health Risk From Toxic Air Contaminants:</b> <input type="checkbox"/> Health Risk Assessment Required for this Permit Action (AQMD Rule 1401) <input type="checkbox"/> Health Risk Reduction Plan Approved (AQMD Rule 1402) (Year): _____ <input checked="" type="checkbox"/> Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588) <input type="checkbox"/> Facility Determined to be Exempt from AB2588 Requirements <input type="checkbox"/> AQMD is Tracking Status of Facility under AB2588 <input type="checkbox"/> Health Risk Assessment Submittal Pending <input type="checkbox"/> Health Risk Assessment Submitted to AQMD and Is Being Reviewed <input checked="" type="checkbox"/> Final Facility Health Risk Approved (date) <u>2001</u> Cancer Risk = <u>3.6 in one million</u> Acute Hazard Index = <u>0.01</u> Chronic Hazard Index = <u>0.06</u>			
<b>Criteria Pollutant Emissions</b>		<input checked="" type="checkbox"/> NOx <u>60.932</u> <input checked="" type="checkbox"/> PM <u>40.438</u>	
<b>Annual Reported Emissions (tons/year) for Reporting Year: 2010</b>		<input checked="" type="checkbox"/> CO <u>2.767</u> <input checked="" type="checkbox"/> SOx <u>64.981</u>	
		<input checked="" type="checkbox"/> VOC <u>3.659</u> <input type="checkbox"/> Other: _____	
<b>Compliance History:</b> <input type="checkbox"/> Citizen Complaints Filed in Last Two Calendar Years (# 0) <input checked="" type="checkbox"/> Notices to Comply Issued in Last Two Calendar Years (# 1) <input checked="" type="checkbox"/> Notices of Violation Issued in Last Two Calendar Years (# 3)			
<b>Comments:</b> All issues associated with the notices have been resolved..			

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**Title V Permit Summary**

**Table 1**

**TOXIC AIR CONTAMINANT EMISSIONS (TAC)**

**Owens-Brockway ID 7427**

**2010 Reporting Year**

<b>TAC Names</b>	<b>Emissions, lbs/yr</b>
Ammonia	2,738.222
Arsenic	4.436
Benzene	5.031
Beryllium	0.004
Cadmium	3.279
Formaldehyde	10.676
Lead (inorganic)	48.22
Naphthalene	0.242
Nickel	1.379
PAHs, total, with components not reported	0.08



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

## NOTICE OF PROPOSED TITLE V RENEWAL PERMIT

The South Coast Air Quality Management District (AQMD) is proposing to renew the existing Title V permit that was previously issued to the following facility:

### **Owens-Brockway**

2901-23 Fruitland Avenue  
Vernon, CA 90058  
Facility ID# 7427

### **Contact Person:**

Dean Harris  
Plant Manager  
2901-23 Fruitland Avenue  
Vernon, CA 90058

This is an existing facility, applying for a Title V permit renewal that is in the business of manufacturing glass containers. This facility is operating an internal combustion engine, glass melting and heat treating furnaces, sand handling equipment, forming machines, bucket elevators, pneumatic conveyors, mixers, abrasive cabinets, storage silos, storage tanks, spray coating equipment, baghouses, cyclones, hammer mills, electrostatic precipitators and scrubbers.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, the above facility has submitted a Title V renewal application and requested the AQMD to renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The proposed permit is available for public review at AQMD, 21865 Copley Dr., Diamond Bar, CA 91765 and at the Huntington Park Branch Library,

6518 Miles Avenue, Huntington Park, CA 90255. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Written comments should be submitted to:

South Coast Air Quality Management District  
Mechanical, Chemical, and Public Services Team  
21865 Copley Drive  
Diamond Bar, CA 91765  
Attention: Kien Huynh

Comments must be received by October 24, 2011. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Kien Huynh at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. A public hearing request form and the public hearing schedule may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the internet at <http://www.aqmd.gov/titlev>. The request for a public hearing is due by October 8, 2011. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

By \_\_\_\_\_  
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF  
MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.  
THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS  
OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE  
STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY  
MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO  
VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER  
FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

### NOTICE

**OWENS-BROCKWAY GLASS CONTAINER INC**  
**2901-23 FRUITLAND AVE**  
**VERNON, CA 90058**

### FACILITY PERMIT TO OPERATE

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	DRAFT	09/16/2011
B	RECLAIM Annual Emission Allocation	DRAFT	09/16/2011
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	DRAFT	09/16/2011
E	Administrative Conditions	DRAFT	09/16/2011
F	RECLAIM Monitoring and Source Testing Requirements	DRAFT	09/16/2011
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	DRAFT	09/16/2011
H	Permit To Construct and Temporary Permit to Operate	DRAFT	09/16/2011
I	Compliance Plans & Schedules	DRAFT	09/16/2011
J	Air Toxics	DRAFT	09/16/2011
K	Title V Administration	DRAFT	09/16/2011
<b>Appendix</b>			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	DRAFT	09/16/2011
B	Rule Emission Limits	DRAFT	09/16/2011

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** OWENS-BROCKWAY GLASS CONTAINER INC

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 2901-23 FRUITLAND AVE  
 VERNON, CA 90058

**MAILING ADDRESS:** 2901 FRUITLAND AVE  
 VERNON, CA 90058

**RESPONSIBLE OFFICIAL:** DEAN HARRIS

**TITLE:** PLANT MANAGER

**TELEPHONE NUMBER:** (323) 586-4288

**CONTACT PERSON:** JOHN MASON

**TITLE:** ENVIRONMENTAL ENGINEER

**TELEPHONE NUMBER:** (567) 305-0906

**INITIAL TITLE V PERMIT ISSUED:** January 12, 2005

**TITLE V PERMIT EXPIRATION DATE:** January 11, 2010

<b>TITLE V</b>	<b>RECLAIM</b>
----------------	----------------

<b>YES</b>	<b>NOx:</b>	<b>YES</b>
	<b>SOx:</b>	<b>YES</b>
	<b>CYCLE:</b>	<b>1</b>
	<b>ZONE:</b>	<b>COASTAL</b>

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

**RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)**

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 01/01/2011 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
1/2009 12/2009	Coastal	343115	0	10428
1/2009 12/2009	Inland	0	15055	9201
1/2010 12/2010	Coastal	343115	0	15642
1/2010 12/2010	Inland	0	8135	13801
1/2011 12/2011	Coastal	343115	58488	20856
1/2011 12/2011	Inland	0	91511	18402
1/2012 12/2012	Coastal	343115	58488	20856
1/2012 12/2012	Inland	0	91511	18402
1/2013 12/2013	Coastal	343115	58488	20856
1/2013 12/2013	Inland	0	91511	18402
1/2014 12/2014	Coastal	343115	58488	20856
1/2014 12/2014	Inland	0	91511	18402
1/2015 12/2015	Coastal	343115	58488	20856
1/2015 12/2015	Inland	0	91511	18402
1/2016 12/2016	Coastal	343115	58488	20856
1/2016 12/2016	Inland	0	91511	18402
1/2017 12/2017	Coastal	343115	58488	20856

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 01/01/2011 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
1/2017 12/2017	Inland	0	91511	18402
1/2018 12/2018	Coastal	343115	58488	20856
1/2018 12/2018	Inland	0	91511	18402
1/2019 12/2019	Coastal	343115	58488	20856
1/2019 12/2019	Inland	0	91511	18402
1/2020 12/2020	Coastal	343115	58488	20856
1/2020 12/2020	Inland	0	91511	18402
1/2021 12/2021	Coastal	343115	58488	20856
1/2021 12/2021	Inland	0	91511	18402
1/2022 12/2022	Coastal	343115	58488	20856
1/2022 12/2022	Inland	0	91511	18402
1/2023 12/2023	Coastal	343115	58488	20856
1/2023 12/2023	Inland	0	91511	18402
1/2024 12/2024	Coastal	343115	58488	20856
1/2024 12/2024	Inland	0	91511	18402
1/2025 12/2025	Coastal	343115	58488	20856
1/2025 12/2025	Inland	0	91511	18402

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of NO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO<sub>x</sub> emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

**RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)**

Year Begin End (month/year)	Zone	NO <sub>x</sub> RTC Initially Allocated	NO <sub>x</sub> RTC <sup>1</sup> Holding as of 01/01/2011 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
1/2026 12/2026	Coastal	343115	58488	20856
1/2026 12/2026	Inland	0	91511	18402

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	SOx RTC Initially Allocated	SOx RTC <sup>1</sup> Holding as of 01/01/2011 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
1/2009 12/2009	Coastal	495245	0	
1/2009 12/2009	Inland	0	76032	
1/2010 12/2010	Coastal	495245	0	
1/2010 12/2010	Inland	0	92727	
1/2011 12/2011	Coastal	495245	120245	
1/2011 12/2011	Inland	0	102445	
1/2012 12/2012	Coastal	495245	120245	
1/2012 12/2012	Inland	0	102445	
1/2013 12/2013	Coastal	495245	87923	
1/2013 12/2013	Inland	0	74908	
1/2014 12/2014	Coastal	495245	77149	
1/2014 12/2014	Inland	0	65729	
1/2015 12/2015	Coastal	495245	77149	
1/2015 12/2015	Inland	0	65729	
1/2016 12/2016	Coastal	495245	77149	
1/2016 12/2016	Inland	0	65729	
1/2017 12/2017	Coastal	495245	66375	10774

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	SOx RTC Initially Allocated	SOx RTC <sup>1</sup> Holding as of 01/01/2011 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
1/2017 12/2017	Inland	0	56550	9179
1/2018 12/2018	Coastal	495245	66375	10774
1/2018 12/2018	Inland	0	56550	9179
1/2019 12/2019	Coastal	495245	58836	18313
1/2019 12/2019	Inland	0	50126	15602
1/2020 12/2020	Coastal	495245	58836	
1/2020 12/2020	Inland	0	50126	
1/2021 12/2021	Coastal	495245	58836	
1/2021 12/2021	Inland	0	50126	
1/2022 12/2022	Coastal	495245	58836	
1/2022 12/2022	Inland	0	50126	
1/2023 12/2023	Coastal	495245	58836	
1/2023 12/2023	Inland	0	50126	
1/2024 12/2024	Coastal	495245	58836	
1/2024 12/2024	Inland	0	50126	
1/2025 12/2025	Coastal	495245	58836	
1/2025 12/2025	Inland	0	50126	

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SO<sub>x</sub> emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	SO <sub>x</sub> RTC Initially Allocated	SO <sub>x</sub> RTC <sup>1</sup> Holding as of 01/01/2011 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
1/2026 12/2026	Coastal	495245	58836	
1/2026 12/2026	Inland	0	50126	

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
1/1994	12/1994	Coastal	1303386	0

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
<b>System 1: GLASS RAW MATERIAL RECEIVING AND STORAGE</b>					
BULK MATERIAL LOAD/UNLOAD STATION, #4, SAND, TRUCK UNLOADING A/N: A22442	D1			PM: (9) [RULE 405, 2-7-1986]	
CONVEYOR, SCREW A/N: A22442	D2			PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: A22442	D3	C21		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, 900 TONS CAPACITY, SAND A/N: A22442	D4	C21		PM: (9) [RULE 405, 2-7-1986]	D323.2
BULK MATERIAL LOAD/UNLOAD STATION, #5, SAND, RAILROAD A/N: A22443	D5			PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT A/N: A22443	D6			PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: A22443	D7	C21		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, 600 TON CAPACITY, SAND A/N: A22443	D8	C21		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, 900 TON CAPACITY, SAND A/N: A22443	D9	C21		PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: A86110	D13			PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, #1, FLINT SAND A/N: A86110	D14	C22		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, #2, FLINT SAND A/N: A86110	D15	C22		PM: (9) [RULE 405, 2-7-1986]	D323.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
STORAGE SILO, #3, AMBER SAND A/N: A86110	D16	C23		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, #4, SALT CAKE A/N: A86110	D17	C27		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, #5, LIMESTONE A/N: A86110	D18	C26		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, #6, SODA ASH A/N: A86110	D19	C24 C25		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, #7, SODA ASH A/N: A86110	D20	C24 C25		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, FLEX-KLEEN, MODEL 580 BVS-9, 65 SQ.FT. A/N: C33807	C21	D3 D4 D7 D8 D9		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86114	C22	D14 D15		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86115	C23	D16		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86116	C24	D19 D20		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86117	C25	D19 D20		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86118	C26	D18		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86119	C27	D17		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
<b>System 2: MINOR RAW MATERIAL MIXING</b>					

- |  |   |
|--|---|
| * (1) (1A) (1B) Denotes RECLAIM emission factor          | (2) (2A) (2B) Denotes RECLAIM emission rate                   |
| (3) Denotes RECLAIM concentration limit                  | (4) Denotes BACT emission limit                               |
| (5) (5A) (5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit                      |
| (7) Denotes NSR applicability limit                      | (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits                        | (10) See section J for NESHAP/MACT requirements               |

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
BIN, SURGE, MINOR INGREDIENTS MIXING SYSTEM #1, 18 CU.FT. A/N: A86113	D28			PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER, WEIGH, 1200 LBS A/N: A86113	D29	C34		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, 13.7 CU.FT. A/N: A86113	D30			PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, MINOR INGREDIENTS MIXING SYSTEM #2, 18 CU.FT. A/N: A87564	D31			PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER, WEIGH, 1200 LBS A/N: A87564	D32	C34		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, 13.7 CU.FT. A/N: A87564	D33			PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, FLEX-KLEEN, MODEL 36BV-9, 38 SQ.FT. A/N: A86129	C34	D29 D32		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
<b>System 3: CULLET GRINDING, CONVEYING AND STORAGE</b>					
CRUSHER, JAW, CULLET A/N: A86111	D35			PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
CRUSHER, JAW, CULLET A/N: A86111	D36			PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
BUCKET ELEVATOR A/N: A86111	D37			PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
CONVEYOR, BELT A/N: A86111	D38			PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
BUCKET ELEVATOR A/N: A86111	D39			PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
BUCKET ELEVATOR A/N: A86111	D40			PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
STORAGE SILO, #7, CULLET A/N: A86111	D41	C54		PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2

- |  |  |
|--|--|
| * (1) (1A) (1B) Denotes RECLAIM emission factor<br>(3) Denotes RECLAIM concentration limit<br>(5) (5A) (5B) Denotes command and control emission limit<br>(7) Denotes NSR applicability limit<br>(9) See App B for Emission Limits | (2) (2A) (2B) Denotes RECLAIM emission rate<br>(4) Denotes BACT emission limit<br>(6) Denotes air toxic control rule limit<br>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)<br>(10) See section J for NESHAP/MACT requirements |
|--|--|

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
STORAGE SILO, #8, CULLET A/N: A86111	D42	C54		PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
STORAGE SILO, #9, CULLET A/N: A86111	D43	C54		PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
STORAGE SILO, #10, CULLET A/N: A86111	D44	C54		PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
STORAGE SILO, #11, CULLET A/N: A86111	D45	C54		PM: (9) [RULE 405, 2-7-1986]	A103.1, D323.2
HOPPER, CULLET A/N: C40024	D46			PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86120	C54	D41 D42 D43 D44 D45		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
<b>System 4: GLASS RAW MATERIAL MIXING/BATCHING</b>					
HOPPER, WEIGH, SAND, BATCH PLANT, 8000 LBS A/N: 311307	D58			PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, 35 CU.FT. A/N: 311307	D59	C95		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, 35 CU.FT. A/N: 311307	D60	C95		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, 35 CU.FT. A/N: 311307	D61	C95		PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER, WEIGH, 100 LBS A/N: 311307	D62			PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER, WEIGH, 5000 LBS A/N: 311307	D63			PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER, WEIGH, 5000 LBS A/N: 311307	D64			PM: (9) [RULE 405, 2-7-1986]	D323.2
FEEDER, VIBRATING A/N: 311307	D65			PM: (9) [RULE 405, 2-7-1986]	D323.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
BIN, SURGE, 46 CU.FT. A/N: 311307	D66	C94		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, 46 CU.FT. A/N: 311307	D67	C94		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, PNEUMATIC A/N: 311307	D68	C92		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE A/N: 311307	D69	C92		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, COLLECTION/TOTE A/N: 311307	D183			PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, COLLECTION/TOTE A/N: 311307	D184			PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, PNEUMATIC A/N: 311307	D185			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, WASTE DUST - SALT CAKE A/N: 311307	D186	C188		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, WITH A ROTARY AIR LOCK AND WEIGH FEEDR A/N: 311307	D187			PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT, BATCHED INGREDIENTS GATHERING A/N: 311307	D70	C93		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, 180 CU.FT. A/N: 311307	D71			PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, 77.8 CU.FT. A/N: 311307	D72			PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: 311307	D73			PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT, MAIN BATCH TRANSFER A/N: 311307	D74	C85 C86		PM: (9) [RULE 405, 2-7-1986]	D323.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
CONVEYOR, BELT, FURNACE #B BATCH TRANSER A/N: 311307	D75			PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT, FURNACE #C BATCH TRANSFER A/N: 311307	D76			PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, FURNACE #B, 2-COMPARTMENT, 1216 CU.FT. A/N: 311307	D80	C88		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, FLEX-KLEEN, MODEL 58 BVS-9-2, 65 SQ.FT. A/N: C16836	C85	D74		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BIN, SURGE, FURNACE #C, 394 CU.FT. A/N: 311307	D81	C89		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, FLEX-KLEEN, MODEL 84 BVS-16-3, 160 SQ.FT. A/N: C16837	C86	D74		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BIN, SURGE, FURNACE #C, 394 CU.FT. A/N: 311307	D82	C90		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86122	C88	D80		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86123	C89	D81		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: 431644	C90	D82		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 36BV-9, 38 SQ.FT. A/N: A86127	C92	D68 D69		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
BAGHOUSE, FLEX-KLEEN, MODEL 58BV-9, 65 SQ.FT. A/N: A86128	C93	D70		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 36BV-9, 38 SQ.FT. A/N: A86130	C94	D66 D67		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 36BV-9, 38 SQ.FT. A/N: A86131	C95	D59 D60 D61		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
BAGHOUSE, FLEX-KLEEN, MODEL 36CTBS-14111. WITH A ROTARY AIR LOCK, 60 SQ.FT. WITH  BLOWER, VACUUM, WITH FILTER, 274 CU.FT./MIN	C188	D186		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
STORAGE SILO, ESP WASTE LINE #2, WITH FILTER VENT AND ROTARY AIR LOCK WITH  FEEDER, WEIGH  HOPPER	D242	C243		PM: (9) [RULE 404, 2-7-1986]	D323.2
BAGHOUSE, ESP WASTE LINE #2, NOL-TEC SYSTEMS, INC, MODEL 259-60FR9, VACUUM/FILTER RECEIVER, 67.5 SQ.FT. A/N: 384832	C243	D242		PM: (9) [RULE 404, 2-7-1986]	D12.5, D322.1, D381.1, E102.1, K67.1
CONVEYOR, PNEUMATIC, ESP WASTE LINE #2 A/N: 384831	D244			PM: (9) [RULE 405, 2-7-1986]	

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
CONVEYOR, SCREW A/N: 311307	D279			PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, TRANSFER A/N: 311307	D280			PM: (9) [RULE 405, 2-7-1986]	D323.2
<b>System 5: GLASS MELTING</b>					
BULK MATERIAL LOAD/UNLOAD STATION A/N: A86110	D10			PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: A86110	D11			PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER, TRUCK RECEIVING, RAW MATERIALS A/N: A86110	D12			PM: (9) [RULE 405, 2-7-1986]	D323.2
FEEDER, PUSH A/N: 390709	D146			PM: (9) [RULE 405, 2-7-1986]	D323.2
FEEDER, BATCH, PUSH A/N: 390709	D247			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, HYDRO A/N: 390709	D248			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, HYDRO A/N: 390709	D249			PM: (9) [RULE 405, 2-7-1986]	D323.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5) (5A) (5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule limit
- (7) Denotes NSR applicability limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (9) See App B for Emission Limits
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
FURNACE, MELTING, #23B, NATURAL GAS, OXY-FUEL, PROPANE, GLASS, 1000 SQ. FT. MELTER AREA, 3000 KVA ELECTRIC BOOST, 60 MMBTU/HR WITH A/N: 390709  BURNER, WITH ENHANCED OXYGEN BURNER, 10 TOTAL	D147	C169	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 0.2 LBS/TON PULLED (8) [40CFR 60 Subpart CC, 10-17-2000]; SOX: 3.15 LBS/TON GLASS (1) [RULE 2011, 12-5-2003; RULE 2011, 1-7-2005]	A63.3, B59.1, B59.2, B61.2, B75.1, C1.4, C1.9, C1.10, C6.1, D12.2, D28.1, D82.1, D251.1, D251.2, E175.1, E179.2, E448.1, E448.2, H23.4, K40.1, K67.6, K180.1, K67.7
REFINER SECTION, NATURAL GAS, PROPANE, 7.5 MMBTU/HR A/N: 390709	D151		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2011, 5-6-2005]	

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements  
 \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
FOREHEARTH, NATURAL GAS, PROPANE, 3.43 MMBTU/HR A/N: 390709	D149		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]	
FOREHEARTH, NATURAL GAS, PROPANE, 3.43 MMBTU/HR A/N: 390709	D150		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]	
FOREHEARTH, NATURAL GAS, PROPANE, 4.83 MMBTU/HR A/N: 390709	D160		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]	

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
  - (10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
FEEDER, BATCH, PUSHER A/N: 396396	D167			PM: (9) [RULE 405, 2-7-1986]	D323.2
FEEDER, BATCH, PUSHER A/N: 396396	D168			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, HYDRO A/N: 396396	D116			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, HYDRO A/N: 396396	D117			PM: (9) [RULE 405, 2-7-1986]	D323.2
FURNACE, MELTING, #23C, NATURAL GAS, OXY-FUEL, PROPANE, GLASS, 1120 SQ. FT. MELTER AREA, 2550 KVA ELECTRIC BOOST, 100 MMBTU/HR WITH A/N: 396396	D112	C250	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 405, 2-7-1986; 40CFR 60 Subpart CC, 10-17-2000]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 0.2 LBS/TON PULLED (8) [40CFR 60 Subpart CC, 10-17-2000]; SOX: 2.4 LBS/TON PULLED (1) [RULE 2011, 5-6-2005]	A63.3, B59.1, B59.2, B61.1, B75.1, C1.2, C1.3, C1.5, C1.6, C1.8, C1.10, C6.2, D12.2, D28.1, D82.1, D251.1, D251.2, E175.1, E179.2, E448.1, E448.2, H23.4, K40.1, K67.6, K180.1
BURNER, WITH ENHANCED OXYGEN BURNER, 11 TOTAL					

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
REFINER SECTION, NATURAL GAS, PROPANE, GLASS, 3.5 MMBTU/HR A/N: 396396	D113		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2011, 5-6-2005]	
FOREHEARTH, NATURAL GAS, PROPANE, 2.3 MMBTU/HR A/N: 396396	D114		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2011, 5-6-2005]	
FOREHEARTH, NATURAL GAS, PROPANE, 2.3 MMBTU/HR A/N: 396396	D115		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2011, 5-6-2005]	
<b>System 6: GLASS FORMING</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5) (5A) (5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule limit
- (7) Denotes NSR applicability limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (9) See App B for Emission Limits
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
FORMING MACHINE, #B-3, GLASS A/N: 452501	D121			PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.1
FORMING MACHINE, #C-1, GLASS A/N: 146694	D122			PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.1
FORMING MACHINE, #C-2, GLASS A/N: 146695	D123			PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.1
FORMING MACHINE, #B-2, GLASS, TRIPLE GOB A/N: C33808	D125			PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.1
FORMING MACHINE, MACHINE B-1 GLASS CONTAINER TRIPLE GOB A/N: 301122	D172			PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.1
SPRAY COATING OPERATION, TIN TUNNEL, 5 BOTTLE SURFACE TREATMENT STATIONS A/N: 452501	D203	C204 C205			D323.1, E448.5

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
BAGHOUSE, NO. 1A, AEROPULSE INC., MODEL PR8110HN, PULSE JET CLEANED, WITH ONE 1/2 HP DISCHARGE VALVE AND TWO HOPPER VIBRATORS, 1013 SQ.FT. WITH A/N: 452502  COMPRESSOR, AIR, BAG PULSING, COMMON WITH NO. 1B  DRYER, BAG PULSING, COMMON WITH NO. 1B  INJECTOR, AMMONIA, COMMON WITH NO. 1B  WORK BENCHES, AMMONIA DISTRIBUTION PANEL, COMMON WITH NO. 1B	C204	D203		NH3: 50 PPMV (6) [RULE 1401, 7-10-1998]; PM: (9) [RULE 404, 2-7-1986]	C6.5, D12.1, D322.1, D381.1, E102.1, K67.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
BAGHOUSE, NO. 1B, AEROPULSE INC, MODEL PR8110HN, PULSE JET CLEANED, WITH ONE 1/2 HP DISCHARGE VALVE AND TWO HOPPER VIBRATORS, 1013 SQ.FT. WITH A/N: 452503  COMPRESSOR, AIR, BAG PULSING, COMMON WITH NO. 1A  DRYER, BAG PULSING, COMMON WITH NO. 1A  INJECTOR, AMMONIA, COMMON WITH NO. 1A  WORK BENCHES, AMMONIA DISTRIBUTION PANEL, COMMON WITH NO. 1A	C205	D203		NH3: 50 PPMV (6) [RULE 1401, 7-10-1998]; PM: (9) [RULE 404, 2-7-1986]	C6.5, D12.1, D322.1, D381.1, E102.1, K67.1
<b>System 7: ANNEALING OVENS</b>					
FURNACE, ANNEALING, #B-3, NATURAL GAS, PROPANE, GLASS, 3.735 MMBTU/HR A/N: 309137	D130		NOX: PROCESS UNIT** SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2011, 5-6-2005]	A63.2, B75.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
FURNACE, ANNEALING, #B-1, NATURAL GAS, PROPANE, GLASS, 2.768 MMBTU/HR A/N: 309136	D131		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2011, 5-6-2005]	A63.1, B75.1
FURNACE, ANNEALING, #B-2, NATURAL GAS, PROPANE, GLASS, 2.768 MMBTU/HR A/N: 309135	D132		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 4.6 LBS/1000 GAL PROPANE (1) [RULE 2011, 5-6-2005]	A63.1, B75.1
<b>System 8: GLASS MELTING CONTROL SYSTEM NO. 1</b>					
STORAGE SILO, "B", BAKING SODA, 2611 CU.FT. A/N: 390702	D251	C253		PM: (9) [RULE 405, 2-7-1986]	
BAGHOUSE, "B". FLEX-KLEEN, MODEL 58BVBS-16, ARRANGEMENT II, 115 SQ.FT. A/N: 390705	C253	D251		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
FEEDER, "B". ROTARY, SERVING FEED HOPPERS 1 AND 2 A/N:	D255			PM: (9) [RULE 405, 2-7-1986]	

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
HOPPER, NO. 1, SERVING MILL NO. 1 A/N:	D257			PM: (9) [RULE 405, 2-7-1986]	
HOPPER, NO. 2, COMMON TO SYSTEMS 8 & 9, SERVING MILL NO. 2 A/N:	D258			PM: (9) [RULE 405, 2-7-1986]	
FEEDER, NO. 1, SCREW CONVEYING, SERVING MILL NO. 1 A/N:	D260			PM: (9) [RULE 405, 2-7-1986]	
FEEDER, NO. 2, COMMON TO SYSTEMS 8 & 9, SCREW CONVEYING, SERVING MILL NO. 2 A/N:	D261			PM: (9) [RULE 405, 2-7-1986]	
MILL, NO. 1, HAMMER, SERVING SCRUBBER "B" A/N:	D263			PM: (9) [RULE 405, 2-7-1986]	
MILL, NO. 2, HAMMER, STANDBY, SERVING SCRUBBER "B" OR SCRUBBER "C", COMMON TO SYSTEMS 8 & 9 A/N:	D264			PM: (9) [RULE 405, 2-7-1986]	
CYCLONE, CLASSIFYING, NO. 1, SERVING MILL NO. 1 A/N:	D266			PM: (9) [RULE 405, 2-7-1986]	
CYCLONE, CLASSIFYING, NO. 2, COMMON TO SYSTEMS 8 & 9, SERVING MILL NO. 2 A/N:	D267			PM: (9) [RULE 405, 2-7-1986]	
CONVEYOR, PNEUMATIC, NO. 1, SERVING SCRUBBER "B" A/N:	D269			PM: (9) [RULE 405, 2-7-1986]	

- |   |   |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor<br/>         (3) Denotes RECLAIM concentration limit<br/>         (5) (5A) (5B) Denotes command and control emission limit<br/>         (7) Denotes NSR applicability limit<br/>         (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate<br/>         (4) Denotes BACT emission limit<br/>         (6) Denotes air toxic control rule limit<br/>         (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)<br/>         (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
CONVEYOR, PNEUMATIC, NO. 2, STANDBY, COMMON TO SYSTEMS 8 & 9, SERVING SCRUBBER "B" OR SCRUBBER "C" A/N:	D270			PM: (9) [RULE 405, 2-7-1986]	
SCRUBBER, "B", PPC INDUSTRIES, MODEL 4-52-4570, WITH SODIUM BI/SESQUICARBONATE SCRUBBING, TWO PASSES, 52 3/8 IN INLET, 42 IN OUTLET, LENGTH: 101 FT ; DIAMETER: 2 FT 8 IN A/N:	C169	D147 C162 C163 C196		PM: (9) [RULE 404, 2-7-1986]	A72.1, C303.1, C303.2, E448.3, K48.1
ELECTROSTATIC PRECIPITATOR, "A", COMMON TO SYSTEMS 8 & 9, TWO-COMPARTMENT, PRECIPITATOR, MODEL 13-2320-1, 32,292 SQ. FT., 356 KVA A/N:	C162	C169 C250		PM: (9) [RULE 404, 2-7-1986]	D12.6, D381.3, E102.1, E448.6, K67.4
ELECTROSTATIC PRECIPITATOR, "B", COMMON TO SYSTEMS 8 & 9, SINGLE-COMPARTMENT, PRECIPITATOR, MODEL 13-1323-2, 16,146 SQ. FT., 171.5 KVA A/N:	C163	C169 C250		PM: (9) [RULE 404, 2-7-1986]	D12.6, D381.3, E102.1, E448.6, K67.4
ELECTROSTATIC PRECIPITATOR, "C", COMMON TO SYSTEMS 8 & 9, SINGLE-COMPARTMENT, PRECIPITATOR, MODEL 13-2320-1, 16,146 SQ. FT., 171.5 KVA A/N:	C196	C169 C250		PM: (9) [RULE 404, 2-7-1986]	D12.6, D381.3, E102.1, E448.6, K67.4
<b>System 9: GLASS MELTING CONTROL SYSTEM NO. 2</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
STORAGE SILO, "C", BAKING SODA, 2611 CU.FT. A/N: 390704	D252	C254		PM: (9) [RULE 405, 2-7-1986]	
BAGHOUSE, "C", FLEX-KLEEN, MODEL 58BVBS-16, ARRANGEMENT II, 115 SQ.FT. A/N: 390706	C254	D252		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
FEEDER, "C", ROTARY, SERVING HOPPERS 2 AND 3 A/N:	D256			PM: (9) [RULE 405, 2-7-1986]	
HOPPER, NO. 2, COMMON TO SYSTEMS 8 & 9, SERVING MILL NO. 2 A/N:	D258			PM: (9) [RULE 405, 2-7-1986]	
HOPPER, NO. 3, SERVING MILL NO. 3 A/N:	D259			PM: (9) [RULE 405, 2-7-1986]	
FEEDER, NO. 2, COMMON TO SYSTEMS 8 & 9, SCREW CONVEYING, SERVING MILL NO. 2 A/N:	D261			PM: (9) [RULE 405, 2-7-1986]	
FEEDER, NO. 3, SCREW CONVEYING, SERVING MILL NO. 3 A/N:	D262			PM: (9) [RULE 405, 2-7-1986]	
MILL, NO. 2, HAMMER, STANDBY, SERVING SCRUBBER "B" OR SCRUBBER "C", COMMON TO SYSTEMS 8 & 9 A/N:	D264			PM: (9) [RULE 405, 2-7-1986]	
MILL, NO. 3, HAMMER, SERVING SCRUBBER "C" A/N:	D265			PM: (9) [RULE 405, 2-7-1986]	

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
CYCLONE, CLASSIFYING, NO. 2, COMMON TO SYSTEMS 8 & 9, SERVING MILL NO. 2 A/N:	D267			PM: (9) [RULE 405, 2-7-1986]	
CYCLONE, CLASSIFYING, NO. 3, SERVING MILL NO. 3 A/N:	D268			PM: (9) [RULE 405, 2-7-1986]	
CONVEYOR, PNEUMATIC, NO. 2, STANDBY, COMMON TO SYSTEMS 8 & 9, SERVING SCRUBBER "B" OR SCRUBBER "C" A/N:	D270			PM: (9) [RULE 405, 2-7-1986]	
CONVEYOR, PNEUMATIC, NO. 3, SERVING SCRUBBER "C" A/N:	D271			PM: (9) [RULE 405, 2-7-1986]	
SCRUBBER, DRY, "C", PPC INDUSTRIES, MODEL 4-52-4570, WITH SODIUM BI/SESQUICARBONATE SCRUBBING, TWO PASSES, 52 3/8 IN INLET, 42 IN OUTLET, LENGTH: 101 FT ; DIAMETER: 2 FT 8 IN A/N:	C250	D112 C162 C163 C196			A305.1
ELECTROSTATIC PRECIPITATOR, "A", COMMON TO SYSTEMS 8 & 9, TWO-COMPARTMENT, PRECIPITATOR, MODEL 13-2320-1, 32,292 SQ. FT., 356 KVA A/N:	C162	C169 C250		PM: (9) [RULE 404, 2-7-1986]	D12.6, D381.3, E102.1, E448.6, K67.4

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: GLASS MANUFACTURING</b>					
ELECTROSTATIC PRECIPITATOR, "B", COMMON TO SYSTEMS 8 & 9, SINGLE-COMPARTMENT, PRECIPITATOR, MODEL 13-1323-2, 16,146 SQ. FT., 171.5 KVA A/N:	C163	C169 C250		PM: (9) [RULE 404, 2-7-1986]	D12.6, D381.3, E102.1, E448.6, K67.4
ELECTROSTATIC PRECIPITATOR, "C", COMMON TO SYSTEMS 8 & 9, SINGLE-COMPARTMENT, PRECIPITATOR, MODEL 13-2320-1, 16,146 SQ. FT., 171.5 KVA A/N:	C196	C169 C250		PM: (9) [RULE 404, 2-7-1986]	D12.6, D381.3, E102.1, E448.6, K67.4
<b>Process 4: ABRASIVE BLASTING</b>					
ABRASIVE BLASTING, CABINET, GLASS BEADS, WIDTH: 3 FT 4 IN, HEIGHT: 10 FT, LENGTH: 5 FT 3 IN WITH A/N: 396386  ABRASIVE BLASTING NOZZLE, 7 TOTAL; DIAMETER: .38 IN; 55 PSIG  CYCLONE	D273	C272		PM: (5) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 405, 2-7-1986]	C1.7, C6.6, D323.3, E71.2, E71.3
BAGHOUSE, EMPIRE ABRASIVE EQUIPMENT, MODEL PF-6060-RS, 525 SQ.FT. A/N: 399559	C272	D273		PM: (9) [RULE 404, 2-7-1986]	D12.4, D322.1, D381.2, E102.1, K67.1
<b>Process 6: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E197			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E198				H23.1
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E199			PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D322.1, D381.1, E102.1, K67.1
RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT	E200			VOC: (9) [RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1171, 11-7-2003]	M333.1
RULE 219 EXEMPT EQUIPMENT, HALON UNIT	E202				H23.3
<b>Process 7: METAL DEPOSITION OPERATION</b>					
BAGHOUSE, TORIT, MODEL DFT 3-12, 3048 SQ.FT. WITH A/N: 367752  FILTER, HEPA	C214	D215 D217 D218 D219 D220 D221 D222 D223		PM: (9) [RULE 404, 2-7-1986]	D381.1
SPRAY COATING OPERATION, BOOTH NO. 1, METAL DEPOSITION, WITH WALL COLMONOY THERMAL SPRAY GUN A/N: 367740	D215	C214		PM: (9) [RULE 405, 2-7-1986]	D323.2, E448.4
SPRAY COATING OPERATION, BOOTH NO. 2, METAL DEPOSITION, WITH WALL COLMONOY THERMAL SPRAY GUN A/N: 367741	D217	C214		PM: (9) [RULE 405, 2-7-1986]	D323.2, E448.4

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: METAL DEPOSITION OPERATION</b>					
SPRAY COATING OPERATION, BOOTH NO. 3, METAL DEPOSITION, WITH WALL COLMONOY THERMAL SPRAY GUN A/N: 367742	D218	C214		PM: (9) [RULE 405, 2-7-1986]	D323.2, E448.4
SPRAY COATING OPERATION, BOOTH NO. 4, METAL DEPOSITION, WITH WALL COLMONOY THERMAL SPRAY GUN A/N: 367743	D219	C214		PM: (9) [RULE 405, 2-7-1986]	D323.2, E448.4
SPRAY COATING OPERATION, BOOTH NO. 5, METAL DEPOSITION, WITH WALL COLMONOY THERMAL SPRAY GUN A/N: 367745	D220	C214		PM: (9) [RULE 405, 2-7-1986]	D323.2, E448.4
SPRAY COATING OPERATION, BOOTH NO. 6, METAL DEPOSITION, WITH WALL COLMONOY THERMAL SPRAY GUN A/N: 367746	D221	C214		PM: (9) [RULE 405, 2-7-1986]	D323.2, E448.4
SPRAY COATING OPERATION, BOOTH NO. 7, METAL DEPOSITION, WITH WALL COLMONOY THERMAL SPRAY GUN A/N: 367747	D222	C214		PM: (9) [RULE 405, 2-7-1986]	D323.2, E448.4
SPRAY COATING OPERATION, BOOTH NO. 8, METAL DEPOSITION, WITH WALL COLMONOY THERMAL SPRAY GUN A/N: 367748	D223	C214		PM: (9) [RULE 405, 2-7-1986]	D323.2, E448.4

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5) (5A) (5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule limit
- (7) Denotes NSR applicability limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (9) See App B for Emission Limits
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC  
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	1
D2	1	1	1
D3	1	1	1
D4	1	1	1
D5	1	1	1
D6	1	1	1
D7	1	1	1
D8	1	1	1
D9	1	1	1
D10	8	1	5
D11	8	1	5
D12	8	1	5
D13	1	1	1
D14	1	1	1
D15	1	1	1
D16	2	1	1
D17	2	1	1
D18	2	1	1
D19	2	1	1
D20	2	1	1
C21	2	1	1
C22	2	1	1
C23	2	1	1
C24	2	1	1
C25	2	1	1
C26	2	1	1
C27	2	1	1
D28	3	1	2
D29	3	1	2
D30	3	1	2
D31	3	1	2
D32	3	1	2
D33	3	1	2
C34	3	1	2
D35	3	1	3

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC  
SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D36	3	1	3
D37	3	1	3
D38	3	1	3
D39	3	1	3
D40	3	1	3
D41	3	1	3
D42	4	1	3
D43	4	1	3
D44	4	1	3
D45	4	1	3
D46	4	1	3
C54	4	1	3
D58	4	1	4
D59	4	1	4
D60	4	1	4
D61	4	1	4
D62	4	1	4
D63	4	1	4
D64	4	1	4
D65	4	1	4
D66	5	1	4
D67	5	1	4
D68	5	1	4
D69	5	1	4
D70	5	1	4
D71	5	1	4
D72	5	1	4
D73	5	1	4
D74	5	1	4
D75	6	1	4
D76	6	1	4
D80	6	1	4
D81	6	1	4
D82	6	1	4
C85	6	1	4

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC  
SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
C86	6	1	4
C88	6	1	4
C89	6	1	4
C90	6	1	4
C92	6	1	4
C93	7	1	4
C94	7	1	4
C95	7	1	4
D112	11	1	5
D113	12	1	5
D114	12	1	5
D115	12	1	5
D116	11	1	5
D117	11	1	5
D121	13	1	6
D122	13	1	6
D123	13	1	6
D125	13	1	6
D130	15	1	7
D131	16	1	7
D132	16	1	7
D146	8	1	5
D147	9	1	5
D149	10	1	5
D150	10	1	5
D151	9	1	5
D160	10	1	5
C162	18	1	8
C162	20	1	9
C163	18	1	8
C163	21	1	9
D167	11	1	5
D168	11	1	5
C169	18	1	8
D172	13	1	6

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC  
SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D183	5	1	4
D184	5	1	4
D185	5	1	4
D186	5	1	4
D187	5	1	4
C188	7	1	4
C196	18	1	8
C196	21	1	9
E197	21	6	0
E198	22	6	0
E199	22	6	0
E200	22	6	0
E202	22	6	0
D203	13	1	6
C204	14	1	6
C205	15	1	6
C214	22	7	0
D215	22	7	0
D217	22	7	0
D218	23	7	0
D219	23	7	0
D220	23	7	0
D221	23	7	0
D222	23	7	0
D223	23	7	0
D242	7	1	4
C243	7	1	4
D244	7	1	4
D247	8	1	5
D248	8	1	5
D249	8	1	5
C250	20	1	9
D251	16	1	8
D252	19	1	9
C253	16	1	8

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
C254	19	1	9
D255	16	1	8
D256	19	1	9
D257	17	1	8
D258	17	1	8
D258	19	1	9
D259	19	1	9
D260	17	1	8
D261	17	1	8
D261	19	1	9
D262	19	1	9
D263	17	1	8
D264	17	1	8
D264	19	1	9
D265	19	1	9
D266	17	1	8
D267	17	1	8
D267	20	1	9
D268	20	1	9
D269	17	1	8
D270	18	1	8
D270	20	1	9
D271	20	1	9
C272	21	4	0
D273	21	4	0
D279	8	1	4
D280	8	1	4

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

#### **FACILITY CONDITIONS**

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 500 ppm by weight.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 5-24-1996]

### DEVICE CONDITIONS

#### A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 2 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from combustion of natural gas.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D131, D132]

A63.2 The operator shall limit emissions from this equipment as follows:

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 3 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from combustion of natural gas.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D130]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 450 LBS IN ANY ONE MONTH
PM	Less than or equal to 6270 LBS IN ANY ONE MONTH
CO	Less than or equal to 6600 LBS IN ANY ONE MONTH

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from devices D112 and D147.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D112, D147]

A72.1 The operator shall maintain this equipment to achieve a minimum removal efficiency of 80 percent for SOX during the normal operation of the equipment it vents.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : C169]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

A103.1 The operator shall keep materials charged and in process sufficiently moist to prevent fugitive dust emissions.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45]

A305.1 Whenever the basic equipment connected to this equipment is in operation, this equipment may be operated at any control efficiency provided that the emission concentrations being monitored by the certified CEMS serving this equipment is below the valid upper range specified in the approved CEMS plan.

For the purpose of this condition, "control efficiency" means "SOx control efficiency" and "emission concentrations" means "SOx emission concentrations."

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : C250]

#### **B. Material/Fuel Type Limits**

B59.1 The operator shall not use the following material(s) in this device :

materials containing any lead or arsenic compounds as additive

**[RULE 1401, 12-7-1990; RULE 1402, 3-4-2005; RULE 1420, 9-11-1992]**

[Devices subject to this condition : D112, D147]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

B59.2 The operator shall only use the following material(s) in this device :

combustion air containing at least 90 percent oxygen

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D112, D147]

B61.1 The operator shall only use dry master batch containing the following specified compounds:

Compound	weight percent
sulfite ion (SO <sub>3</sub> ) less than	0.2

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D112]

B61.2 The operator shall only use dry master batch containing the following specified compounds:

Compound	Requirement	weight percent
sulfite ion (SO <sub>3</sub> )	less than	0.3

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D147]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

B75.1 The operator shall not use propane in this equipment except under the following circumstance(s):

Natural gas curtailment

[**RULE 1303(a)(1)-BACT, 5-10-1996**; **RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : D112, D130, D131, D132, D147]

#### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the operation to no more than 2 in any one hour.

For the purpose of this condition, operation shall be defined as the number of times mold swabbing is performed in the forming machine.

[**RULE 401, 3-2-1984**; **RULE 401, 11-9-2001**]

[Devices subject to this condition : D121, D122, D123, D125, D172]

C1.2 The operator shall limit the material processed to no more than 332 tons in any one day.

For the purpose of this condition, material processed shall be defined as pull rate.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; **RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D112]

C1.3 The operator shall limit the material processed to no more than 50 ton(s) in any one day.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

For the purpose of this condition, material processed shall be defined as pull rate during routine maintenance or furnace idling.

The operator shall document all bypass (of emission controls) periods, including those during periods of non-routine maintenance, with written reports.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; 40CFR 60 Subpart CC, 10-17-2000]**

[Devices subject to this condition : D112]

- C1.4 The operator shall limit the material processed to no more than 400 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as pull rate.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D147]

- C1.5 The operator shall limit the natural gas fuel usage to no more than 1.1702e+06 cubic feet in any one day.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

For the purpose of this condition, natural gas fuel usage shall be defined as natural gas fuel usage at the melter.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage at the melter.

**[RULE 2005, 5-6-2005]**

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D112]

- C1.6 The operator shall limit the natural gas fuel usage to no more than 35108500 cubic feet in any one calendar month.

For the purpose of this condition, natural gas fuel usage shall be defined as natural gas fuel usage at the melter.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage at the melter.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D112]

- C1.7 The operator shall limit the operating time to no more than 300 hour(s) in any one calendar month.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the blasting cabinet.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D273]

- C1.8 The operator shall limit the natural gas fuel usage to no more than 48760 cubic feet per hour.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

To comply with this condition, the operator shall install and maintain an indicating and recording device to indicate and record the natural gas fuel usage.

For the purpose of this condition, natural gas fuel usage shall be defined as natural gas fuel usage at the melter.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D112]

C1.9 The operator shall limit the material processed to no more than 50 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as pull rate when the air pollution control system is by-passed.

The operator shall by-pass the air pollution control system only during periods of routine maintenance and provided that the operator complies with Section 60.292(e) of 40CFR 60 Subpart CC.

The operator shall document all bypass (of emission controls) periods, including those during periods of non-routine maintenance, with written reports.

**[RULE 2005, 5-6-2005; 40CFR 60 Subpart CC, 10-17-2000]**

[Devices subject to this condition : D147]

C1.10 The operator shall limit the duration of routine maintenance to no more than 6 day(s) in any one year.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D112, D147]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 2860 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the bridgewall.

This condition shall only apply whenever failure of the CEMS exceeds 96 hours.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D147]

C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 2800 Deg F.

This condition shall only apply whenever failure of the CEMS exceeds 96 hours.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the bridgewall.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D112]

C6.5 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 8 inches water column.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C204, C205]

C6.6 The operator shall use this equipment in such a manner that the pressure being monitored, as indicated below, does not exceed 55 Psig.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

To comply with this condition, the operator shall install and maintain a(n) gauge to accurately indicate the pressure of the compressed air supplied to the blasting operation.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D273]

C303.1 The operator shall limit sodium bicarbonate injection rate to no less than the amount specified by the following equation:  $11.06 * (1 - \text{Cullet Fraction}) * \% \text{SO}_3 \text{ in Raw Materials} / 0.364\%$

where:

- Cullet Fraction = Fraction of cullet in the glass pulled.
- Sodium bicarbonate injection rate = Rate of sodium carbonate in pounds per ton of glass pulled.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : C169]

C303.2 The operator shall limit Trona injection rate to no less than the amount specified by the following equation:  $11.28 * (1 - \text{Cullet Fraction}) * \% \text{SO}_3 \text{ in Raw Materials} / 0.305\%$

where:

- Cullet Fraction = Fraction of cullet in the glass pulled.
- Trona injection rate = Rate of Trona in pounds per ton of glass pulled.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : C169]

#### **D. Monitoring/Testing Requirements**

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C204, C205]

D12.2 The operator shall install and maintain a(n) sensor to accurately indicate the open or closed position of the bypass valve in the bypass stack.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D112, D147]

D12.4 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter cartridges.

**[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 405, 2-7-1986]**

[Devices subject to this condition : C272]

D12.5 The operator shall install and maintain a(n) gauge to accurately indicate the differential pressure across the filter.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C243]

D12.6 The operator shall install and maintain a(n) flow meter to accurately indicate the flue gas flow at the outlets of ESPs.

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : C162, C163, C196]

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to demonstrate compliance with Rules 404, 405, 409 and 40 CFR 60 Subpart CC.

The test shall be conducted at least annually.

The test shall be conducted to determine the PM emissions using District Method 5.1 measured over 60 minute averaging time period.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D112, D147]

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

SOX concentration in ppmv

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D112, D147]

D251.1 The operator shall not increase the following parameter(s) beyond that were in effect during the last 60 days the monitor verified compliance for nitrogen dioxide and/or sulfur dioxide emissions.

- Bridgwall temperature as measured by an optical pyrometer
- Pull rate
- Fuel consumption rate
- Sulfate content of the dry master batch

This condition shall only apply whenever the failure of the CEMS exceeds 96 hours.

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D112, D147]

D251.2 The operator shall not decrease the following parameter(s) beyond that were in effect during the last 60 days the monitor verified compliance for nitrogen dioxide and/or sulfur dioxide emissions.

- Amount of electric boosting
- Weight percent of cullet being used

This condition shall only apply whenever the failure of the CEMS exceeds 96 hours.

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : D112, D147]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C21, C22, C23, C24, C25, C26, C27, C34, C54, C85, C86, C88, C89, C90, C92, C93, C94, C95, C188, E199, C204, C205, C243, C253, C254, C272]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

**[Devices subject to this condition : D121, D122, D123, D125, D172, D203]**

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D28, D29, D30, D31, D32, D33, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D80, D81, D82, D116, D117, D146, D167, D168, D183, D184, D185, D186, D187, D215, D217, D218, D219, D220, D221, D222, D223, D242, D247, D248, D249, D279, D280]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

D323.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D273]

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C21, C22, C23, C24, C25, C26, C27, C34, C54, C85, C86, C88, C89, C90, C92, C93, C94, C95, C188, E199, C204, C205, C214, C243, C253, C254]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C272]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

D381.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C162, C163, C196]

#### **E. Equipment Operation/Construction Requirements**

E71.2 The operator shall not operate this equipment until after the equipment associated with Device D142 is removed from service.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D273]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

E71.3 The operator shall not operate this equipment using more than 6 nozzles at any one time.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D273]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]**

[Devices subject to this condition : C21, C22, C23, C24, C25, C26, C27, C34, C54, C85, C86, C88, C89, C90, C92, C93, C94, C95, C162, C163, C188, C196, E199, C204, C205, C243, C253, C254, C272]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

One or more Electrostatic Precipitators if only one furnace is operated

Two or more Electrostatic Precipitators if two furnaces are operated

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D112, D147]

E179.2 For the purpose of the following condition number(s), temperature gauge shall be defined as optical pyrometer.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

Condition Number C 6- 1

Condition Number C 6- 2

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D112, D147]

**E448.1 The operator shall comply with the following requirements:**

The particulate matter emission from the melter shall not exceed 0.2 pound per ton of glass pulled.

**[40CFR 60 Subpart CC, 10-17-2000]**

[Devices subject to this condition : D112, D147]

**E448.2 The operator shall comply with the following requirements:**

Glass that has cullet content less than 20 percent by weight shall not be produced in this device

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D112, D147]

**E448.3 The operator shall comply with the following requirements:**

The operator shall record the baking soda or Trona rate at the start of a new batch formulation. If the rate is changed for that batch formulation, the new rate and the reason for the change shall be recorded and documented at that time.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[RULE 2011, 5-6-2005]

[Devices subject to this condition : C169]

E448.4 The operator shall comply with the following requirements:

The combined amount of nickel contained in the metal powder used in all thermal spray guns at Booth Nos. 1 through 8 shall not exceed 1,059 pounds in any one calendar year.

The combined amount of chromium contained in the metal powder used in all thermal spray guns at Booth Nos. 1 through 8 shall not exceed 56 pounds in any one calendar year.

Records of the combined amount of nickel and chromium contained in the metal powder used in all thermal spray guns at Booth Nos. 1 through 8 shall be kept in a manner approved by the District and on a daily basis.

[RULE 1401, 3-17-2000]

[Devices subject to this condition : D215, D217, D218, D219, D220, D221, D222, D223]

E448.5 The operator shall comply with the following requirements:

The amount of monobutyltin trichloride used at this equipment shall not exceed 5130 pounds in any one calendar month.

Records of the amount of monobutyltin trichloride used shall be kept in a manner approved by the District and on a monthly basis

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D203]

**E448.6** The operator shall comply with the following requirements:

When only Furnace B is in operation, the Daily Average Total Secondary Electrical Power of the operating precipitator shall not be less than 4.92 kW for two or more consecutive days.

When only Furnace C is in operation, the Daily Average Total Secondary Electrical Power of the operating precipitator shall not be less than 1.69 kW for two or more consecutive days.

When both Furnace B and Furnace C are in operation, the Daily Average Total Secondary Electrical Power of the operating precipitators shall not be less than 6.61 kW for two or more consecutive days.

Readings of secondary voltage and amperage shall be recorded for each precipitator field every 6 minutes.

The Daily Average Total Secondary Electrical Power shall be calculated and recorded. It shall be calculated as follows:

The Secondary Power for each field shall be calculated by multiplying that field's voltage by its amperage. The Total Secondary Electrical Power for each 6-minute period shall be the sum of all the Power for all fields within the operating precipitator(s) during that 6-minute period. The Daily Average Total Secondary Electrical Power shall be the average of all Total Secondary Electrical Power for all of the 6-minute periods in that day.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : C162, C163, C196]

**H. Applicable Rules**

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415

[RULE 1415, 10-14-1994]

[Devices subject to this condition : E198]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E202]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	40CFR60, SUBPART	CC

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

(Requirements applicable to a furnace without modified-processes).

**[40CFR 60 Subpart CC, 10-17-2000]**

[Devices subject to this condition : D112, D147]

#### **K. Record Keeping/Reporting**

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D112, D147]

K48.1 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition Number C 303- 1

Condition Number C 303- 2

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C169]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

The name of the person performing the inspection and/or maintenance of the filter media

The date, time and results of the inspection

The date, time and description of any maintenance or repairs resulting from the inspection

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C21, C22, C23, C24, C25, C26, C27, C34, C54, C85, C86, C88, C89, C90, C92, C93, C94, C95, C188, E199, C204, C205, C243, C253, C254, C272]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E197]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

On a daily basis: Current and voltage in each fields

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C162, C163, C196]

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

On a daily basis at a minimum: Raw materials charged, fuel consumption, glass pulled, bridgewall temperature, cullet content, O2 content in combustion air, and sulfite ion (SO3) content in dry master batch.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D112, D147]

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

On a monthly basis: PM monthly emissions (Calculated from glass pulled), ROG and CO monthly emissions (Calculated from fuel consumption).

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D147]

K180.1 The operator shall notify the District a minimum of 10 days before the start of routine maintenance (if 10 days cannot be provided, the report shall be submitted as soon as practicable). This notification shall include, but is not limited to, the following:

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

an explanation of the schedule of the maintenance

**[40CFR 60 Subpart CC, 10-17-2000]**

[Devices subject to this condition : D112, D147]

#### **M. Title V Permit Shield**

M333.1 Permit Shield. Notwithstanding the other requirements and conditions in this permit, this device is not subject to the following rule requirement(s):

Rule	Number/Subpart	Adopted/Amended Date	Non-Applicable Requirement(s)
District Rule	1130	08-oct-1999	All

Compliance with the conditions of this Title V permit shall be deemed in compliance with any regulatory requirements applicable as of the date of permit issuance to this device, provided that such regulatory requirements are included and specifically identified in this permit. Nothing in this permit or in any permit shield can alter or affect: (a) under Section 303 of the Federal Clean Air Act, the provisions for emergency orders; (b) the liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance; (c) the applicable requirements of the Acid Rain Program; (d) the ability of EPA to obtain information from the operator pursuant to Section 114 of the Federal Clean Air Act; (e) the applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do not apply to the facility, such as toxics requirements unique to the State; or, (f) the applicability of regulatory requirements with compliance dates after the permit issuance date. This permit shield shall not apply to any operational change made pursuant to the operational flexibility provisions of District Rule 3005.

**[RULE 3004(c)-Permit Shield, 12-12-1997]**

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

[Devices subject to this condition : E200]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
  - a. Three years for a facility not subject to Title V; or
  - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
  - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For a large NO<sub>x</sub> source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
  - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
- f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes. [409]
- g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO<sub>x</sub> RECLAIM sources and Table 2 of Rule 2001 for SO<sub>x</sub> RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO<sub>x</sub> or SO<sub>x</sub> emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO<sub>x</sub> or SO<sub>x</sub> source, respectively. [2001]
9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
  - a. Brief description of the equipment tested.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
  - b. Brief description of the equipment tested.
  - c. Operating conditions under which test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Field and laboratory data forms, strip charts and analyses.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

#### **I. NO<sub>x</sub> Monitoring Conditions**

A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NO<sub>x</sub> source to continuously measure the concentration of NO<sub>x</sub> emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NO<sub>x</sub> emissions rate from each source. The time-sharing of CEMS among NO<sub>x</sub> sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.

B. The Operator of a NO<sub>x</sub> large Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

#### **II. NO<sub>x</sub> Source Testing and Tune-up conditions**

1. The operator shall conduct all required NO<sub>x</sub> source testing in compliance with an AQMD-approved source test protocol. [2012]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

2. The operator shall, as applicable, conduct source tests for every large NO<sub>x</sub> source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NO<sub>x</sub> concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO<sub>x</sub> large sources and NO<sub>x</sub> process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

#### **III. SO<sub>x</sub> monitoring conditions**

**D. The Operator of a SO<sub>x</sub> Major Source, as defined in Rule 2011, shall, as applicable:**

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major SO<sub>x</sub> source to continuously measure the concentration of SO<sub>x</sub> emissions or fuel sulfur content and all other applicable variables specified in Rule 2011, Table 2011-1 and Rule 2011, Appendix A, Table 2-A to determine the SO<sub>x</sub> emissions rate from each source. The time-sharing of CEMS among SO<sub>x</sub> sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2011]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2011]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2011. [2011]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2011, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2011]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.
  
5. Follow missing data procedures as specified in Rule 2011 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2011]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.

E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2011, Table 2011-1, and Rule 2011, Appendix A, Table 3-A. The sharing of totalizing meters shall be allowed for process units except those using fuels with different sulfur contents. [2011]

#### IV. SOx Source Testing Conditions

1. The operator shall conduct all required SOx source testing in compliance with an AQMD-approved source test protocol. [2011]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES**

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

#### **I. Recordkeeping Requirements for all RECLAIM Sources**

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
  - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
  - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
  - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

#### **II. Reporting Requirements for all RECLAIM Sources**

1. The operator shall submit a quarterly certification of emissions including the total facility NO<sub>x</sub> or SO<sub>x</sub> emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2004]

#### **NO<sub>x</sub> Reporting Requirements**

- A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR  
RECLAIM SOURCES**

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NOx source, the total daily mass emissions of NOx and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]
2. Calculate NOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]
3. Submit an electronic report within 15 days following the end of each month totaling NOx emissions from all major NOx sources during the month. [2012]
4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall:

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NOx emissions for each NOx process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES**

#### **SOx Reporting Requirements**

**D. The Operator of a SOx Major Source, as defined in Rule 2011, shall, as applicable:**

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major SOx source, the total daily mass emissions of SOx and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2011]
2. Calculate SOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2011 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2011]
3. Submit an electronic report within 15 days following the end of each month totaling SOX emissions from all major SOx sources during the month. [2011]
4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2011]

**E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall:**

1. Electronically report the calculated quarterly SOx emissions for each SOx process unit. [2011]

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

NONE

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION I: PLANS AND SCHEDULES**

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

**FACILITY PERMIT TO OPERATE  
OWENS-BROCKWAY GLASS CONTAINER INC**

**SECTION J: AIR TOXICS**

**NOT APPLICABLE**

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION K: TITLE V Administration

#### GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

#### Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

#### Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION K: TITLE V Administration

#### Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
  - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
  - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

#### COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
  - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION K: TITLE V Administration**

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
  
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
  
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
  
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
  
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION K: TITLE V Administration

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION K: TITLE V Administration EMERGENCY PROVISIONS**

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:

(A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

(1) An emergency occurred and the operator can identify the cause(s) of the emergency;

(2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

(3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

(4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

(B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

---

<sup>1</sup> "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS**

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
  - (B) The date(s) analyses were performed;
  - (C) The company or entity that performed the analyses;
  - (D) The analytical techniques or methods used;
  - (E) The results of such analyses; and
  - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

### **REPORTING PROVISIONS**

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION K: TITLE V Administration

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
  - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
  - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **SECTION K: TITLE V Administration**

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:  
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

### **PERIODIC MONITORING**

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION K: TITLE V Administration

#### *FACILITY RULES*

*This facility is subject to the following rules and regulations*

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1145	12-3-2004	Non federally enforceable
RULE 1145	2-14-1997	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1401	12-7-1990	Non federally enforceable
RULE 1401	3-17-2000	Non federally enforceable
RULE 1401	7-10-1998	Non federally enforceable
RULE 1402	3-4-2005	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 1420	9-11-1992	Non federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2011	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 2202	2-6-2004	Non federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3004(c)-Permit Shield	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	5-7-2010	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart CC	10-17-2000	Federally enforceable
40CFR 68 - Accidental Release Prevention	5-24-1996	Federally enforceable

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219**

1. I.C. ENGINES
2. VAPORIZOR, PROPANE
3. PORTABLE COMPRESSOR, GASOLINE
4. SPACE HEATERS, NATURAL GAS
5. WATER HEATERS, NATURAL GAS

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

### TABLE OF STANDARDS

#### VOC LIMITS

#### Grams of VOC Per Liter of Coating, Less Water And Less Exempt Compounds

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250				100		50
Graphic Arts (Sign) Coatings	500						

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

Industrial Maintenance						
Primers and Topcoats						
Alkyds	420					
Catalyzed Epoxy	420					
Bituminous Coatings	420					
Materials						
Inorganic Polymers	420					
Vinyl Chloride Polymers	420					
Chlorinated Rubber	420					
Acrylic Polymers	420					
Urethane Polymers	420					
Silicones	420					
Unique Vehicles	420					
Japans/Faux Finishing	350	700		350		
Coatings						
Magnesite Cement Coatings	600			450		
Mastic Coatings	300					
Metallic Pigmented Coatings	500					
Multi-Color Coatings	420		250			
Pigmented Lacquer	680		550		275	
Pre-Treatment Wash Primers	780					
Primers, Sealers, and	350					
Undercoaters						
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

### TABLE OF STANDARDS (cont.)

#### VOC LIMITS

#### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007] TABLE OF STANDARDS VOC LIMITS

**Grams of VOC Per Liter of Coating,  
 Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives								
Below-Ground	350							
Other	350							

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

\*\* Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

\*\*\* The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

# FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

## APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

### TABLE OF STANDARDS (cont.) VOC LIMITS

#### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1140 02-01-1980]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).
  
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1140 08-02-1985]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).
  
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).



## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1145 02-14-1997]

Except as otherwise provided in Rule 1145, the operator shall not apply on plastics, glass, or rubber any coatings which are applied with a VOC content in excess of the limits specified below:

COATING	VOC LIMITS			
	<u>Less Water and Less Exempt</u>			
	<u>Compounds</u>			
	Current		On and After 1-1-98	
	g/L	lbs/gal	g/L	lbs/gal
General Coatings				
One-component	275	2.3	275	2.3
Two-component	420	3.5	420	3.5
Military Spec. Coating				
One-component	340	2.8	340	2.8
Two-component	420	3.5	420	3.5
Multi-Colored Coatings	685	5.7	685	5.7
Mold Seal Coatings	750	6.3	750	6.3
Vacuum Metalizing Coatings	800	6.7	800	6.7
Mirror Backing				
Curtain Coated	500	4.2	500	4.2
Roll Coated	430	3.6	430	3.6
Optical Coatings	800	6.7	800	6.7
Electric Dissipating Coatings and Shock-				
Free Coatings	800	6.7	360	3.0
Metallic Coatings	420	3.5	420	3.5

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
<b>(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application</b>	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
<b>(B) Repair and Maintenance Cleaning</b>	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 11-07-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 11-07-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 05-01-2009]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148

**FACILITY PERMIT TO OPERATE  
 OWENS-BROCKWAY GLASS CONTAINER INC**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

## FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **APPENDIX B: RULE EMISSION LIMITS [40CFR 60 Subpart CC 10-17-2000]**

#### **STANDARDS OF PERFORMANCE FOR GLASS MANUFACTURING PLANTS**

- (1) The operator shall comply with all applicable requirements of 40 CFR 60, Subpart CC and of 40 CFR 60, Subpart A – General Provisions.
- (2) With the exception of glass melting furnaces with modified-processes, as defined in Section 60.291, the operator shall comply with all applicable requirements for glass melting furnace operations specified in Sections 60.292.
- (3) For glass melting furnaces with modified-processes, as defined in Section 60.291, the operator shall comply with all applicable requirements for glass melting furnace operations specified in Section 60.293.
- (4) The operator of a glass melting furnace subject to particulate matter standards in Section 60.292 is exempt from those limits during routine maintenance of add-on pollution controls if each of the following conditions is met:
  - (A) Routine maintenance in each calendar year does not exceed 6 days;
  - (B) Routine maintenance is conducted in a manner consistent with good air pollution control practices for minimizing emissions; and
  - (C) A report is submitted to AQMD 10 days before the start of the routine maintenance (if 10 days cannot be provided, the report must be submitted as soon as practicable), and the report contains an explanation of the schedule of the maintenance.

## **FACILITY PERMIT TO OPERATE OWENS-BROCKWAY GLASS CONTAINER INC**

### **APPENDIX B: RULE EMISSION LIMITS [40CFR 60 Subpart CC 10-17-2000]**

- (5) The operator shall determine compliance with the particulate matter standards in Sections 60.292 and 60.293, as applicable, in accordance with the test methods and procedures specified Section 60.296.
- (6) The operator shall keep all records pursuant to Subpart A to demonstrate compliance with all applicable requirements. All records including data, calculations and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.
- (7) The operator shall submit all reports, notifications, plans, submittals and other communications required by Section 60.296 of this subpart or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).

Applicant's Name: Owens-Brockway  
Mailing Address: 2901 Fruitland Ave.  
 Vernon, CA 90058  
Equipment Location: Same

Equipment Description:APPLICATION NO. 500377:

## AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. TWO 1/2-HP HOPPER FEEDERS.
2. THREE FEED HOPPERS.
3. THREE 1/2-HP PULVERIZING MILL FEEDERS.
4. THREE 20-HP PULVERIZING MILLS.
5. THREE 3-HP CLASSIFIERS.
6. THREE 5-HP PNEUMATIC CONVEYORS.
7. DRY SCRUBBER "B", PPC INDUSTRIES, MODEL 4-52-4570, SERIAL NO. 1256-B, 2' - 8"DIA. x 101' - 0"L., WITH A 4' - 4 3/8" INLET, AND A 3' - 6" OUTLET, VENTING FURNACE 23 B.
8. ELECTROSTATIC PRECIPITATOR "A" (SHARED), PRECIPITATOR, MODEL 13-2320-2, SINGLE COMPARTMENT TYPE, 171.5 KVA, WITH 16,146 SQ. FT. COLLECTION ELECTRODE AREA, ONE 5-HP INSULATOR PRESSURIZING BLOWER, ONE 25-KW INSULATOR AND DAMPER HEATER, ONE 1-HP SCREW CONVEYOR, AND ONE 3-HP EXHAUST DAMPER.
9. ELECTROSTATIC PRECIPITATOR "B" (SHARED), PRECIPITATOR, MODEL 13-2320-2, SINGLE COMPARTMENT TYPE, 171.5 KVA, WITH 16,146 SQ. FT. COLLECTION ELECTRODE AREA, ONE 5-HP INSULATOR PRESSURIZING BLOWER, ONE 25-KW INSULATOR AND DAMPER HEATER, ONE 1-HP SCREW CONVEYOR, AND ONE 3-HP EXHAUST DAMPER.
10. ELECTROSTATIC PRECIPITATOR "C" (SHARED), PRECIPITATOR, MODEL 13-2320-2, SINGLE COMPARTMENT TYPE, 171.5 KVA, WITH 16,146 SQ. FT. COLLECTION ELECTRODE AREA, ONE 5-HP INSULATOR PRESSURIZING BLOWER, ONE 25-KW INSULATOR AND DAMPER HEATER, ONE 1-HP SCREW CONVEYOR, AND ONE 3-HP EXHAUST DAMPERS.
11. EXHAUST SYSTEM WITH TWO 100-HP BLOWERS VENTING FURNACES 23 B AND 23 C.

APPLICATION NO. 500378:

## AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. TWO 1/2-HP HOPPER FEEDERS.
2. THREE FEED HOPPERS.
3. THREE 1/2-HP PULVERIZING MILL FEEDERS.
4. THREE 20-HP PULVERIZING MILLS.

5. THREE 3-HP CLASSIFIERS.
6. THREE 5-HP PNEUMATIC CONVEYORS.
7. DRY SCRUBBER "C", PPC INDUSTRIES, MODEL 4-52-4570, SERIAL NO. 1256-C, 2' - 8"DIA. x 101' - 0"L., WITH A 4' - 4 3/8" INLET, AND A 3' - 6" OUTLET, VENTING FURNACE 23 C.
8. ELECTROSTATIC PRECIPITATOR "A" (SHARED), PRECIPITATOR, MODEL 13-2320-2, SINGLE COMPARTMENT TYPE, 171.5 KVA, WITH 16,146 SQ. FT. COLLECTION ELECTRODE AREA, ONE 5-HP INSULATOR PRESSURIZING BLOWER, ONE 25-KW INSULATOR AND DAMPER HEATER, ONE 1-HP SCREW CONVEYOR, AND ONE 3-HP EXHAUST DAMPER.
9. ELECTROSTATIC PRECIPITATOR "B" (SHARED), PRECIPITATOR, MODEL 13-2320-2, SINGLE COMPARTMENT TYPE, 171.5 KVA, WITH 16,146 SQ. FT. COLLECTION ELECTRODE AREA, ONE 5-HP INSULATOR PRESSURIZING BLOWER, ONE 25-KW INSULATOR AND DAMPER HEATER, ONE 1-HP SCREW CONVEYOR, AND ONE 3-HP EXHAUST DAMPER.
10. ELECTROSTATIC PRECIPITATOR "C" (SHARED), PRECIPITATOR, MODEL 13-2320-2, SINGLE COMPARTMENT TYPE, 171.5 KVA, WITH 16,146 SQ. FT. COLLECTION ELECTRODE AREA, ONE 5-HP INSULATOR PRESSURIZING BLOWER, ONE 25-KW INSULATOR AND DAMPER HEATER, ONE 1-HP SCREW CONVEYOR, AND ONE 3-HP EXHAUST DAMPERS.
11. EXHAUST SYSTEM WITH TWO 100-HP BLOWERS VENTING FURNACES 23 B AND 23 C.

HISTORY:

Applications received on: 7/7/09  
 Equipment installed: Yes  
 Compliance records:

1 Notice to Comply (NC) and 3 Notices of Violation (NOVs) have been issued since 2009. NOV P54278 was issued on 3/2/09 for not submitting the annual compliance certification report for 2008 in time. The compliance for the NOV was achieved on 9/24/09. NC 21412 was issued on 11/19/09 for demonstrating compliance with Rule 2012, Appendix A, Chapter 2(B) and Compliance Advisory for CEMS operated at the facility. The compliance with the NC was achieved on 6/4/2010. NOV P54269 was issued on 3/16/09 for failing to comply with the ESP amperage and voltage limits. Compliance with the NOV will be achieved with the expected approval of the new limits (A/Ns 500377-8). NOV P54962 was issued on 7/5/2011 for failure to send process unit NOx and SOx electrically for the four quarters of 2010. The company has been in compliance with the requirement of sending process unit NOx and SOx electrically since 1/1/2011.

Applications 500377 & 500378 were filed for change of the ESPs secondary voltage and amperage limits in Condition C19.1. The existing limits are:

Voltage:  $\geq$  20,000 volts  
 Amperage  $\geq$  50 milliamps

Current	Previous		Main Equipment
A/Ns	A/Ns	Permits	
500377	435713	F76901	Scrubber B & ESPs
500378	429851	F69051	Scrubber C & ESPs

The applicant proposed to show by source testing that although the secondary voltage and amperage dropped below the above limits, the ESPs could operate in compliance. The company also requested that secondary power limit be imposed, instead of voltage and amperage limits.

The applicant requested for express permit processing. However, the evaluation has been delayed because of the following reasons:

- The tests conducted in May 2009 did not determine the control efficiencies of the ESPs.
- The source test report for the tests conducted in September 2009, with ESP control efficiencies, was not received until November 13, 2009.
- The required information on the voltage and amperage during the testing periods in September 2009 was not received until February 9, 2010.
- Additional time was spent to review results of the first retest (November 2009) and to wait for the second retest.

The September 2009 tests were conducted on ESP B, connecting to Scrubber B and Furnace B, and ESP C, connecting to Scrubber C and Furnace C. The report was conditionally acceptable.

The company also conducted tests in November 2009 with the same equipment connection as the September tests. The test report was received on April 15, 2010, reviewed, and found to be conditionally acceptable.

Meetings have been held onsite and at the District to discuss the source test results & the condition on voltage and amperage limits, and on February 8, 2011, in an email sent to the District, the company agreed in principle with the District on the condition language, but requested that the analyses reflect results of the compliance test conducted on November 4, 2010. The District engineer reviewed the results of the compliance test and determined that the data could not be used because the ESP control efficiencies were not determined during the testing periods.

The company requested a retest scheduled for May 2011, postponed until July 2011, then later postponed indefinitely.

#### PROCESS DESCRIPTION

The company has two glass melting furnaces, Furnace 23 B melts flint glass and Furnace 23 C melts amber glass.

Raw ingredients consisting of mainly sand, limestone, soda ash, and cullet are blended in specific proportions and charged to the furnace melter. Heat provided by a combination of oxy fuel combustion and electrical energy causes the blended ingredients to melt and form glass. The molten glass flows from the melter chamber to the refiner. In the refiner, the molten glass is heat conditioned for delivery to the forming process. After refining, the molten glass leaves the furnace through forehearth and goes to be shaped by pressing and blowing to produce the desired product. Pressing and blowing are performed mechanically, using blank molds and glass cut into sections (gobs) by shears.

SOx emissions are controlled by dry scrubbers and PM emissions are controlled by ESPs.

There are two dry scrubbers. Scrubber B serves Furnace B and Scrubber C serves Furnace C. There are three ESPs, one a standby. Each ESP can either link to Scrubber B or Scrubber C.

#### CALCULATIONS:

The results of the most recent tests (November 2009 tests) will be used. The following are data from the November 2009 tests:

**Table 1**

Test Dates	ESP Tested	Secondary Power, kW	Connecting to	Glass Type	Control Efficiencies
		Testing Period Average			
11/5/09	ESP C	1.88	Scrubber C / Furnace C	Amber	96.90%
11/11/09	ESP B	5.47	Scrubber B / Furnace B	Flint	98.40%

As shown above, the ESPs are very efficient. Our records on Owens' ESPs show that we've accepted an ESP control efficiency of 94%. The range of efficiencies during the testing periods was 96.9% - 98.40%.

It is believed that the 94% control efficiency is attainable at a secondary power of 90% of those during the testing periods of 11/5 and 11/11/2009. Secondary power has been widely used as an ESP performance indicator. Below are the calculations for the compliance limits.

ESP connecting to Scrubber C (connecting to Furnace C)	$1.88 \text{ kW} * 0.9 =$	1.69 kW
ESP connecting to Scrubber B (connecting to Furnace B)	$5.47 \text{ kW} * 0.9 =$	4.92 kW
Combined secondary power:		<u>6.61 kW</u>

The combined secondary power is used when both furnaces are in operation (normal). An appropriate individual limit is used when only one furnace is in operation.

#### RULES EVALUATION

Except for the voltage and amperage limits, the equipment has been operated in compliance with the rules and regulations of the District. The change of condition on the voltage and amperage is discussed below.

**DISCUSSIONS:**

Data collected from 10/1/09 to 8/31/10 (334 days) show that there were 6 times the 24-hour average secondary power exceeded the combined secondary power limit, and out of which there was only one time the limit was exceeded two days in a row. For other exceeding days, the power bounced back to above the limit the following days. Therefore, to avoid excessive maintenance and ESPs switching, the condition will be so that a violation occurs when the 24-hour average secondary power limit is exceeded two or more consecutive times. With routine maintenance and regular ESPs switching, it is believed that the equipment will operate in compliance with the secondary power limits.

When one furnace is shut down for maintenance (only one ESP is in operation), the combined secondary power (from one ESP) will be low. Therefore, an appropriate limit will be used when only one furnace is in operation.

Based on information submitted with the application and the above evaluation, it is determined that the equipment operates in compliance with all the applicable rules and regulations of the District.

**RECOMMENDATIONS**

Issue Permits to Operate.