



State of Ohio Environmental Protection Agency

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P.O. Box 1049  
Columbus, OH 43216-1049

06/30/99

**CERTIFIED MAIL**

**RE: Draft Title V Chapter 3745-77 permit**

06-37-01-0000  
GE Logan Lighting Plant  
Jason Bergquist  
General Electric Company-Logan Glass  
12680 State Route 93 North  
Logan, OH 43138

Dear Jason Bergquist:

You are hereby notified that the Ohio Environmental Protection Agency has prepared the enclosed draft of the Title V permit for the facility referenced above. The purpose of this draft is to solicit public comments. A public notice concerning the draft will appear in the Ohio EPA Weekly Review and the major newspaper in the county where the facility is located. Comments and/or a request for a public hearing from the public and any affected parties will be accepted by Southeast District Office within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled.

A decision on processing the Title V permit will be made after consideration of written public comments and oral testimony (if a public hearing is conducted). After the comment period, you will be provided with a Preliminary Proposed Title V permit and an opportunity to comment prior to the Proposed Title V permit submittal to USEPA.

**If you have any questions or comments concerning this draft Title V permit, please contact Southeast District Office.**

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA  
Jim Orlemann, DAPC Engineering  
Michael Ahern, DAPC PMU  
Southeast District Office  
West Virginia



## Ohio EPA

State of Ohio Environmental Protection Agency

### TITLE V PERMIT

Issue Date: 06/30/99

### DRAFT

Effective Date:

Expiration Date:

This document constitutes issuance to:

GE Logan Lighting Plant  
12680 State Route 93 North  
Logan, OH 43138

of a Title V permit for Facility ID: 06-37-01-0000

Emissions Unit ID (Company ID)/

Emissions Unit Activity Description:

F001 (MH-1)

Bulk Raw Material Unloading and Storage for No. 1 and No. 2 furnaces

P002 (F-2)

No. 2 Furnace

P004 (FF-2)

Power Groove

P007 (MH-2,MH-3)

Batch Preparation (South & North Systems)

P008 (MH-4)

Cullet Crushing

P009 (F-1)

No. 1 Furnace

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Southeast District Office  
2195 Front Street  
Logan, OH 43138  
(740) 385-8501

OHIO ENVIRONMENTAL PROTECTION AGENCY

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Christopher Jones  
Director

# PART I - GENERAL TERMS AND CONDITIONS

## A. State and Federally Enforceable Section

### 1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
  - iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting

requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

## **2. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

## **3. Risk Management Plans**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

## **4. Title IV Provisions**

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

## **5. Severability Clause**

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

## **6. General Requirements**

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**7. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

**8. Marketable Permit Programs**

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

**9. Reasonably Anticipated Operating Scenarios**

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.

**10. Reopening for Cause**

This Title V permit will be reopened prior to its expiration date under the following conditions:

- a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

- b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.
- c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

## **11. Federal and State Enforceability**

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

## **12. Compliance Requirements**

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:
- i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
  - ii. Compliance certifications shall include the following:
    - (a) An identification of each term or condition of this permit that is the basis of the certification.
    - (b) The permittee's current compliance status.
    - (c) Whether compliance was continuous or intermittent.
    - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
    - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
  - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

### **13. Permit Shield**

- a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.
- b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

### **14. Operational Flexibility**

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio

EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

## **15. Emergencies**

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

## **16. Off Permit Changes**

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;
- b. The permittee provides contemporaneous written notice of the change to the director and the administrator, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change;
- c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);
- d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and
- e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

## **17. Compliance Method Requirements**

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any

defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

## **B. State Only Enforceable Section**

### **1. Permit to Install Requirement**

Prior to the “installation” or “modification” of any “air contaminant source,” as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

### **2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

### **3. Records Retention Requirements**

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

### **4. Inspections and Information Requests**

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

## **Part II - Specific Facility Terms and Conditions**

### **A. State and Federally Enforcable Section**

**None**

### **B. State Only Enforceable Section**

1. The following insignificant emissions units are located at this facility:
  - P003 - Glass Tube Roll Forming (1 through 3)
  - P005 - Glass Tube Finishing Equipment
  - P006 - Machine Shop Grinder
  - P011 - Tube Collaring Operation No. 94392
  - P012 - Biax Cutter and Glazer #2
  - P013 - Emergency Generator
  - Z001 - Cullet Storage
  - Z002 - Parts Cleaner
  - Z003 - Abrasive Blaster
  - Z004 - Roadways
  - Z005 - Hydraulic Oil and Lubricants
  - Z006 - Standby Pump

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install for the emissions unit.

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** MH-1 (F001)

**Activity Description:** Bulk Raw Material Unloading and Storage for No. 1 and No. 2 furnaces

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Material Handling - Unloading with B-1 baghouse and F-1 through F-8 baghouses	OAC rule 3745-17-11	The total emissions of particulate matter (PM) from all of the baghouses and other stacks shall not exceed 49.0 pounds per hour.
	OAC rule 3745-17-07	Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average except for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60 percent opacity, as a 6-minute average, at any time. (Paraphrased from OAC rule 3745-17-07(A)(1)(a) and (b).)

**2. Additional Terms and Conditions**

- 2.a This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07 and 3745-17-08 do not apply to the fugitive particulate emissions from the material handling-unloading operation.

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from all the baghouses and other stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.

#### **IV. Reporting Requirements**

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the baghouse and/or stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

#### **V. Testing Requirements**

1. Compliance with the emission limitation of 49.0 pounds PM/hr is based on the emission factors listed below. The following uncontrolled emission factors are taken from the USEPA document entitled "Source Assessment for Pressed and Blown Glass Manufacturing Plants", EPA-000/2-77-005:

1.0 lb PM/ton material throughput per Belt Conveyor - (1 Belt Conveyor present)

1.0 lb PM/ton material throughput per Elevator - (1 Elevator present)

1.0 lb PM/ton material throughput per Stationary Belt Conveyor - (1 Stationary Belt Conveyor present)

1.0 lb PM/ton material throughput per Mobile Belt Conveyor - (1 Mobile Belt Conveyor present)

0.2 lb PM/ton material throughput per Storage Silo or Bin - (1 Storage Silo present)

The combined emission factor of 4.2 lbs PM/ton material throughput multiplied by the maximum process weight rate, multiplied by an assumed control efficiency of 99% for the baghouses shall be used to determine the controlled PM emission rate for this emissions unit.

Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04 (A).

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** F-2 (P002)  
**Activity Description:** No. 2 Furnace

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Natural Gas Fired, Number 2 Glass Melting Furnace	OAC rule 3745-17-11(B)(3)	None (See A.I.2.a)
	OAC rule 3745-18-06(E)(2)	Emission of sulfur dioxide shall not exceed 154.5 lbs/hr.
	OAC rule 3745-17-07	None (See A.I.2.b)

**2. Additional Terms and Conditions**

- 2.a The uncontrolled mass rate of emission (UMRE) for particulate matter (PM) from this emissions unit is less than 10 pounds per hour based on two separate emission tests conducted for this emissions unit in 1991. Pursuant to OAC rule 3745-17-11 (A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, OAC rule 3745-17-11(A)(2)(b) specifically exempts sources located within Hocking County from the requirements of Table I.
- 2.b According to OAC rule 3745-17-07(A)(3)(h), the visible particulate emission limitations established in OAC rule 3745-17-07(A)(1) shall not apply to any air contaminant source which is not subject to the requirements of paragraphs (B)(3) and (B)(4) of rule 3745-17-08 of the Administrative Code, or rule 3745-17-09, 3745-17-10 or 3745-17-11 of the Administrative Code.

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

1. The emission limitation of 154.5 lbs sulfur dioxide/hr was established based on the equation specified in OAC rule 3745-18-06(E)(2) and a process weight rate of 11.54 tons/hr. Compliance with the sulfur dioxide emission limit is assumed due to the negligible percent sulfur, by weight, in the fuel.

Facility Name: **General Electric Company-Logan Glass Plant**  
Facility ID: **06-37-01-0000**  
Emissions Unit: **F-2 (P002)**

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** FF-2 (P004)  
**Activity Description:** Power Groove

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Natural Gas Fired Power Groove	OAC rule 3745-17-11(B)(3)	None (See A.I.2.a)
	OAC rule 3745-17-07	None (See A.I.2.b)

**2. Additional Terms and Conditions**

- 2.a The uncontrolled mass rate of emission (UMRE) for particulate matter (PM) from this emissions unit is less than 10 pounds per hour because the only source of PM emissions from the Power Groove is from the combustion of natural gas. Pursuant to OAC rule 3745-17-11 (A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, OAC rule 3745-17-11(A)(2)(b) specifically exempts sources located within Hocking County from the requirements of Table I.
- 2.b According to OAC rule 3745-17-07(A)(3)(h), the visible particulate emission limitations established in OAC rule 3745-17-07(A)(1) shall not apply to any air contaminant source which is not subject to the requirements of paragraphs (B)(3) and (B)(4) of rule 3745-17-08 of the Administrative Code, or rule 3745-17-09, 3745-17-10 or 3745-17-11 of the Administrative Code.

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** MH-2,MH-3 (P007)  
**Activity Description:** Batch Preparation (South & North Systems)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Material Handling - Batch Preparation (South & North Systems) with S-1, S-2, B-2, B-5, B-6, and B-8 through B-10 baghouses	OAC rule 3745-17-11(B)(3)	The total emissions of particulate matter (PM) from all of the baghouses and other stacks shall not exceed 10.7 pounds per hour.
	OAC rule 3745-17-07	Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average except for not more than 6 consecutive minutes in any 60 minutes, but shall not exceed 60 percent opacity, as a 6-minute average, at any time. (Paraphrased from OAC rule 3745-17-07(A)(1)(a) and (b).)

**2. Additional Terms and Conditions**

- 2.a This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07 and 3745-17-08 do not apply to the fugitive particulate emissions from the batch preparation systems.

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from all the baghouses and other stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.

#### **IV. Reporting Requirements**

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the baghouses and/or stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

#### **V. Testing Requirements**

1. Compliance with the emission limitations identified above shall be determined in accordance with the following methods:

- a. Emission Limitation:

10.7 pounds of particulate matter per hour

Applicable Compliance Method:

Test Methods 1 - 5 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03. No testing is specifically required by this permit but, if appropriate may be requested pursuant to OAC rule 3745-15-04. Compliance will be based upon the monitoring and recordkeeping described above.

- b. Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method:

Test Methods 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** MH-4 (P008)  
**Activity Description:** Cullet Crushing

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Cullet Crushing with B-7 baghouse	OAC rule 3745-17-11(B)(3)	None (See A.I.2.a)
	OAC rule 3745-17-07	None (See A.I.2.b)

**2. Additional Terms and Conditions**

- 2.a** The uncontrolled mass rate of emission (UMRE) for particulate matter (PM) from this emissions unit is less than 10 pounds per hour based on AP-42 emission factors. Pursuant to OAC rule 3745-17-11 (A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition OAC rule 3745-17-11(A)(2)(b) specifically exempts sources located within Hocking County from the requirements of Table I.
- 2.b** According to OAC rule 3745-17-07(A)(3)(h), the visible particulate emission limitations established in OAC rule 3745-17-07(A)(1) shall not apply to any air contaminant source which is not subject to the requirements of paragraphs (B)(3) and (B)(4) of rule 3745-17-08 of the Administrative Code, or rule 3745-17-09, 3745-17-10 or 3745-17-11 of the Administrative Code.
- 2.c** This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rule 3745-17-08 does not apply to the fugitive particulate emissions from the cullet crushing operation.

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** F-1 (P009)  
**Activity Description:** No. 1 Furnace

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Natural Gas Fired, Number 1 Lime Glass Melting Furnace with ESP	40 CFR Part 60 Subpart CC OAC rule 3745-31-05 PTI 06-4801	Emissions of particulate matter shall not exceed 0.1 gram per kilogram of glass produced (0.2 lb/ton glass produced).
	OAC rule 3745-17-11	(See A.I.2.a)
	OAC rule 3745-18-06(E)(2)	(See A.I.2.b)
	OAC rule 3745-31-05 PTI 06-4801	Emissions of nitrogen oxides shall not exceed 16.6 pounds per ton of glass produced.
		This emissions unit also shall be limited to the following rolling, 12-month annual emissions:
		Particulates: 7.4 tons/year Nitrogen Oxides: 605.0 tons/year Sulfur Dioxide: 21.9 tons/year Carbon Monoxide: 4.4 tons/year Volatile Organic Compounds: 9.7 tons/year
		(See A.I.2.c)
	OAC rule 3745-17-07	Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule

##### 2. Additional Terms and Conditions

- 2.a** The particulate matter limit from this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.
- 2.b** The sulfur dioxide limit from this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.

## 2. Additional Terms and Conditions (continued)

- 2.c These emission limits were established pursuant to OAC rule 3745-31-05 to comply with Best Available Control Technology (BACT) requirements for Prevention of Significant Deterioration (PSD) and, therefore, are federally enforceable.

## II. Operational Restrictions

1. The maximum annual production rate for this furnace shall not exceed 72,900 tons of glass per year, based on a rolling 365-day summation of the daily production rates.

NOTE: This annual production rate limitation was calculated as follows:

$(605 \text{ tons nitrogen oxides/year}) \times (\text{ton of glass}/16.6 \text{ lbs nitrogen oxides}) \times (2000 \text{ lbs/ton}) = 72,900 \text{ tons of glass/year}$

2. The permittee shall operate the ESP during any operation of this emissions unit.
3. The primary and secondary voltage (V) and current (milliamps) recorded at each transformer set within the ESP shall be maintained within the range of values recorded during the emission test on November 18, 1996, which showed that the emissions unit was in compliance with the particulate (PM) emission limit. These values are:
- 224 - 226 volts for the primary voltage;
  - 17 - 20 volts for the secondary voltage; and
  - 40 - 55 milliamps for the current.

These ranges for the ESP parameters are effective for the duration of this permit unless additional performance testing is conducted which shows that the emissions unit is in compliance with the particulate (PM) emission limit. At that time the test results will be reviewed by the Ohio EPA and the ESP parameter ranges may be adjusted accordingly, provided that written approval of the new ESP parameters is obtained from the Ohio EPA Southeast District Office.

## III. Monitoring and/or Record Keeping Requirements

1. In order to demonstrate compliance with the 365-day rolling production limit, the permittee shall maintain daily records of the following information:
- the production rate, in tons, for each day; and
  - the rolling 365-day summation of the daily production rates.
2. The permittee shall maintain monthly records of the rolling, 12-month annual emissions for particulate matter, nitrogen oxides, sulfur dioxide, carbon monoxide, and volatile organic compounds.
3. The permittee shall continuously monitor and record the primary and secondary voltage, in volts (V), and current, in milliamps, for each transformer set in the ESP.

## IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify each day during which the rolling 365-day production rate limitation was exceeded.
2. The permittee shall submit deviation (excursion) reports which identify any deviations from the primary and secondary voltages and current ranges specified above in A.II.3.
3. The permittee shall submit deviation (excursion) reports which identify each month during which any rolling, 12-month annual emission limitation specified in Part III, Section A.I.1 of this permit was exceeded.

## V. Testing Requirements

1. Within six months of permit renewal, the permittee shall conduct, or have conducted, emissions tests for this emissions unit in order to demonstrate compliance with the allowable mass emission rates for particulates and sulfur dioxide. The test shall be conducted in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 - 5 for particulate matter and Method 6 for sulfur dioxide, while the emissions unit is operating at or near its normal sustainable production level as specified in 40 CFR, Part 60 Subpart CC.

Annually the permittee shall conduct, or have conducted, an emissions test for this emissions unit in order to demonstrate compliance with the allowable mass emission rates for nitrogen oxides. The test shall be conducted in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Method 7E for nitrogen oxides while the emissions unit is operating at or near its normal sustainable production level as specified in 40 CFR, Part 60 Subpart CC.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the Southeast District Office's refusal to accept the results of the emissions test.

Personnel from the Southeast District Office shall be permitted to witness the test, examine the testing equipment and acquire data and information regarding the emissions unit operating parameters. A comprehensive written report on the results of the emissions test shall be submitted within 30 days following completion of the test.

2. Compliance with the particulate matter (PM) emission limitation of 0.2 lb PM/ton glass produced shall be determined by dividing the lbs PM/hr emission rate from the most recent compliance test by the actual tons of the glass/hr produced during the test.
3. Compliance with the nitrogen oxides (NO<sub>x</sub>) emission limitation of 16.6 lbs NO<sub>x</sub>/ton glass produced shall be determined by dividing the lbs NO<sub>x</sub>/hr emission rate from the most recent compliance test by the actual tons of glass/hr produced during the test.
4. Compliance with the rolling, 12-month emission limitation for PM shall be determined as follows:
  - a. calculate the emission factor for PM, in lbs PM/ton of glass, by dividing the tested PM emission rate from the most recent compliance test, in lbs PM/hr, by the actual tons of glass produced during the test, in tons glass/hr; and
  - b. multiply the emission factor by the rolling 12-month production rate of glass, in tons glass/year (recorded pursuant to Part III, Section A.III.1.b of this permit), and divide by 2000 lbs/ton.
5. Compliance with the rolling, 12-month emission limitation for NO<sub>x</sub> shall be determined as follows:
  - a. calculate the emission factor for NO<sub>x</sub>, in lbs NO<sub>x</sub>/ton of glass, by dividing the tested NO<sub>x</sub> emission rate from the most recent compliance test, in lbs NO<sub>x</sub>/hr, by the actual tons of glass produced during the test, in tons glass/hr; and
  - b. multiply the emission factor by the rolling, 12-month production rate of glass, in tons glass/year (recorded pursuant to Part III, Section A.III.1.b of this permit), and divide by 2000 lbs/ton.
6. Compliance with the rolling, 12-month emission limitation for sulfur dioxide (SO<sub>2</sub>) shall be determined as follows:

$$(3.0 \text{ lbs SO}_2/\text{hr}) \times (\text{actual hours of operation per 12-month period}) \times (0.0005 \text{ ton/lb}) = \text{tons SO}_2/\text{yr}$$

The emission factor of 3.0 lbs SO<sub>2</sub>/hr was determined through emission testing of the emissions unit on November 18, 1996.

**V. Testing Requirements (continued)**

7. Compliance with the rolling, 12-month emission limitation for carbon monoxide (CO) shall be determined as follows:

$$(0.54 \text{ lb CO/hr}) \times (\text{actual hours of operation per 12-month period}) \times (0.0005 \text{ ton/lb}) = \text{tons CO/yr}$$

The emission factor of 0.54 lb CO/hr was determined through emission testing of the emissions unit on November 18, 1996.

8. Compliance with the annual emission limitation for volatile organic compounds (VOC) shall be determined as follows:

$$(0.25 \text{ lb VOC/ton glass produced}) \times (\text{the rolling, 12-month production rate of glass, in tons glass produced/year}) \times (0.0005 \text{ ton/lb}) = \text{tons VOC/yr}$$

The 0.25 lb VOC/ton glass produced emission factor was established based on emission testing of the emissions unit on November 18, 1996.

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

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