



State of Ohio Environmental Protection Agency

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

09/18/07

CERTIFIED MAIL

RE: Draft Title V Chapter 3745-77  
permit

01-23-01-0078  
Anchor Hocking Glass Co.  
Robert C Ryder  
1115 W. Fifth Ave.  
Lancaster, OH 43130

Dear Robert C Ryder:

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 Central 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. **In order to facilitate our review of all the comments or concerns you may have with the enclosed draft permit, please provide a hand marked-up copy of the draft permit showing the changes you think are necessary, along with any additional summary comments, by the end of the draft public comment period. The hard marked-up copy and any additional summary comments should be submitted to the Ohio EPA District Office or local air agency identified below and to the following address:**

**Andrew Hall  
Permit Review/Development Section  
Ohio EPA, Division of Air Pollution Control  
122 South Front Street  
Columbus, Ohio 43215**

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 concerning this draft Title V permit, please contact Central District Office.

Sincerely,

Michael W. Ahern, Manager  
Permit Issuance and Data Management Section  
Division of Air Pollution Control

cc: USEPA (electronically submitted)  
File, DAPC PIER  
Central District Office  
Kentucky



State of Ohio Environmental Protection Agency

DRAFT TITLE V PERMIT

Issue Date: 09/18/07

Effective Date: To be entered upon final issuance

Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 01-23-01-0078 to:
Anchor Hocking Glass Co.
1115 W. Fifth Avenue
Lancaster, OH 43130

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

Table with 3 columns: Emissions Unit ID (Company ID), Emissions Unit Activity Description, and Emissions Unit Activity Description. Rows include B001 (Boiler 1), B003 (Boiler 2), B004 (Boiler 3), B005 (Boiler 4), B006 (Boiler 5), F001 (Batch Unloading), P001 (Box Plant Cyclone), P002 (Mold Shop Baghse), P006 (Furnace/Tank 1-2), P007 (Furnace/Tank 1-1), P008 (Unloading & Cullet Baghouse), P009 (Furnace/Tank 1-3), and P010 (Batch Weighing and Handling).

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.

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

Central District Office
122 South Front Street
Columbus, OH 43215
(614) 728-3778

Ohio Environmental Protection Agency

Chris Korleski
Director

## PART I - GENERAL TERMS AND CONDITIONS

### A. State and Federally Enforceable Section

#### 1. Monitoring and Related Record Keeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.III of Part III of this Title V permit, 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.  
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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.  
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c. The permittee shall submit required reports in the following manner:

- i. **All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:**

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with General Term and Condition A.1.c.ii below; and each report shall cover the previous calendar quarter. (An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).)

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided

in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

*(Authority for term: OAC rule 3745-77-07(A)(3)(c))*

- ii. **Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.IV of Part III of this Title V permit or, in some cases, in Part II of this Title V permit, all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this General Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this General Term and Condition.

See B.6 below if no deviations occurred during the quarter.

*(Authority for term: OAC rule 3745-77-07(A)(3)(c))*

- iii. **All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted in the following manner:**

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; General Terms and Conditions: A.2, A.3, A.4, A.6.e, A.7, A.12, A.14, A.18, A.19, A.20, and A.22 of Part I of this Title V permit, as well as any deviations from the requirements in Section A.V or A.VI of Part III of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office

or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in Part II.A of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with General Term and Condition A.1.c.ii above.

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

*(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))*

- 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

*(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))*

- v. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

*(Authority for term: OAC rule 3745-77-07(A)(3)(c))*

## 2. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance 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). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in General Term and Condition A.1.c.i above.

*(Authority for term: OAC rule 3745-77-07(A)(3)(c))*

## 3. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

- a. a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or
- b. as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

*(Authority for term: OAC rule 3745-77-07(A)(4))*

## 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.

*(Authority for term: OAC rule 3745-77-07(A)(5))*

**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.

*(Authority for term: OAC rule 3745-77-07(A)(6))*

**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, in accordance with A.10 below. 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.
- f. Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable upon final issuance of all applicable OAC Chapter 3745-35 operating permits and/or registrations for all subject emissions units located at the facility and:
  - i. the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a “major source” as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or
  - ii. the permittee no longer meets the definition of a “major source” as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or
  - iii. a combination of i. and ii. above.

The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

*(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))*

**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.

*(Authority for term: OAC rule 3745-77-07(A)(8))*

**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.  
(Authority for term: OAC rule 3745-77-07(A)(9))

**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.  
(Authority for term: OAC rule 3745-77-07(A)(10))

**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 (18) 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.  
(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

**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.  
(Authority for term: OAC rule 3745-77-07(B))

**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 Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA 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 (i.e., postmarked) 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.

*(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))*

### **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.
- (Authority for term: OAC rule 3745-77-07(F))*

### **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).

*(Authority for term: OAC rules 3745-77-07(H)(1) and (2))*

**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.

*(Authority for term: OAC rule 3745-77-07(G))*

**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 of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions 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.
- 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.

*(Authority for term: OAC rule 3745-77-07(I))*

**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.

*(This term is provided for informational purposes only.)*

**18. Insignificant Activities or Emissions Levels**

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.

*(Authority for term: OAC rule 3745-77-07(A)(1))*

**19. 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.  
*(Authority for term: OAC rule 3745-77-07(A)(1))*

**20. 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.  
*(Authority for term: OAC rule 3745-77-07(A)(1))*

**21. Permanent Shutdown of an Emissions Unit**

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent “modification” or “installation” as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an “emissions unit” as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.  
*(Authority for term: OAC rule 3745-77-01)*

**22. Title VI Provisions**

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

*(Authority for term: OAC rule 3745-77-01(H)(11))*

**B. State Only Enforceable Section**

**1. Reporting Requirements Related to Monitoring and Record Keeping Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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 (i.e., postmarked) quarterly, 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.)

**2. 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.

**3. 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.

**4. 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).

**5. 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.

**6. 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 emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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 (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

- a. where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in General Term and Condition A.1.c.ii; or
- b. where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or
- c. where the company's responsible official has certified that an emissions unit has been permanently shut down.

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

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

**None**

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

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements (as defined in OAC rule 3745-77-01(H)) or because they meet the "de minimis" criteria established in 3745-15-05:

Heat Treat 3-5 (Z002)  
Heat Treat (Z003)  
Deco Lehr 1 (Z004)  
Deco Lehr 2 (Z005)  
Deco Lehr 3 (Z006)  
Space Heater 1 (Z007)  
Space Heater 2 (Z008)  
Space Heater 3 (Z009)  
Space Heater 4 (Z010)  
Space Heater 5 (Z011).

**None**

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

**Emissions Unit ID:** Boiler 1 (B001)

**Activity Description:** Boiler 1 - Natural gas/Fuel Oil fired 8.34 MMBtu/h boiler

#### 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>
8.34 MMBtu/hr natural gas/fuel oil-fired boiler	OAC rule 3745-17-07(A)(1)	Visible particulate emissions (PE) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions (PE) shall not exceed 0.020 lb/MMBtu actual heat input.
	OAC rule 3745-31-05(A)(3) (PTI 01-6442)	1.58 lbs PE/hr* 26.37lbs SO <sub>2</sub> /hr* 0.07 lb VOC/hr* 3.08 lbs NO <sub>x</sub> /hr* 0.71 lb CO/hr* *See A.I.2.a and A.II.1

##### 2. Additional Terms and Conditions

- 2.a The hourly mass emission limits for PE, SO<sub>2</sub>, VOC, NO<sub>x</sub> and CO listed in Section A.I.1 for this emissions unit were established by OAC rule 3745-31-05(A)(3) to reflect the potential to emit for this emissions unit based on the maximum sulfur content for fuel oil in A.II.1. Therefore, no additional monitoring, record keeping or reporting are required to ensure compliance with these limits.

#### II. Operational Restrictions

1. The quality of oil burned in this emissions unit shall have a maximum sulfur content of 3%, by weight, on an as-burned basis.

(Authority for term: OAC rule 3745-77-07(A)(1) & PTI 01-6442))

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

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content.

(Authority for term: OAC rule 3745-77-07(C)(1))

### III. Monitoring and/or Record Keeping Requirements (continued)

2. Whenever a fuel other than natural gas and/or No. 2 fuel oil is burned in this emissions unit, 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 the stack 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.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate visible emissions.

Daily checks of visible emissions shall not be required when only natural gas and/or No. 2 fuel oil are being burned in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation in Section A.II.1, based upon the sulfur content of the fuel oil. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 01-6442)

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit in conjunction with the burning of any fuel other than natural gas and/or No. 2 fuel oil, 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.

(Authority for term: OAC rule 3745-77-07(C)(1))

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

**V. Testing Requirements (continued)**

- 1.a** Emission Limitation -  
0.020 lb PE/MMBtu actual heat input.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (1.9 lbs PE/MMcu.ft.) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (17.2 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-10(B)(1))

- 1.b** Emission Limitation -  
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-03(B)(1))

- 2.a** Emission limitation -  
1.58 lbs PE/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (7.6 lbs PE/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (9.19S+3.22lbs PE/1000 gal).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1))

**V. Testing Requirements (continued)**

**2.b** Emission Limitation -  
26.37 lb SO<sub>2</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (0.6 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (142S lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (157S lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.c** Emission Limitation -  
0.05 lb VOC/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (5.5 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (0.34 lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (1.13 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.d** Emission Limitation -  
3.08 lbs NO<sub>x</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (100 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (20 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (55 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**V. Testing Requirements (continued)**

**2.e** Emission Limitation -  
0.71 lb CO/hr.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (84 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**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:** Boiler 2 (B003)

**Activity Description:** Boiler 2 - Natural gas/Fuel Oil fired 8.34 MMBtu/h boiler

#### A. State and Federally Enforceable Section

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

- 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>
8.34 MMBtu/hr natural gas/fuel oil-fired boiler	OAC rule 3745-17-07(A)(1)	Visible particulate emissions (PE) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions (PE) shall not exceed 0.020 lb/MMBtu actual heat input.
	OAC rule 3745-31-05(A)(3) (PTI 01-6442)	1.58 lbs PE/hr* 26.37lbs SO <sub>2</sub> /hr* 0.07 lb VOC/hr* 3.08 lbs NO <sub>x</sub> /hr* 0.71 lb CO/hr* *See A.I.2.a and A.II.1

##### 2. Additional Terms and Conditions

- The hourly mass emission limits for PE, SO<sub>2</sub>, VOC, NO<sub>x</sub> and CO listed in Section A.I.1 for this emissions unit were established by OAC rule 3745-31-05(A)(3) to reflect the potentials to emit for this emissions unit based on the maximum sulfur content for fuel oil in A.II.1. Therefore, no additional monitoring, record keeping or reporting are required to ensure compliance with these limits.

#### II. Operational Restrictions

- The quality of oil burned in this emissions unit shall have a maximum sulfur content of 3%, by weight, on an as-burned basis.

(Authority for term: OAC rule 3745-77-07(A)(1) & PTI 01-6442))

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

- For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content.

(Authority for term: OAC rule 3745-77-07(C)(1))

### III. Monitoring and/or Record Keeping Requirements (continued)

2. Whenever a fuel other than natural gas and/or No. 2 fuel oil is burned in this emissions unit, 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 the stack 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.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate visible emissions.

Daily checks of visible emissions shall not be required when only natural gas and/or No. 2 fuel oil are being burned in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation in Section A.II.1, based upon the sulfur content of the fuel oil. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 01-6442)

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit in conjunction with the burning of any fuel other than natural gas and/or No. 2 fuel oil, 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.

(Authority for term: OAC rule 3745-77-07(C)(1))

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

**V. Testing Requirements (continued)**

- 1.a** Emission Limitation -  
0.020 lb PE/MMBtu actual heat input.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (1.9 lbs PE/MMcu.ft.) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (17.2 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-10(B)(1))

- 1.b** Emission Limitation -  
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-03(B)(1))

- 2.a** Emission limitation -  
1.58 lbs PE/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (7.6 lbs PE/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (9.19S+3.22lbs PE/1000 gal).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1))

**V. Testing Requirements (continued)**

**2.b** Emission Limitation -  
26.37 lb SO<sub>2</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (0.6 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (142S lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (157S lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.c** Emission Limitation -  
0.05 lb VOC/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (5.5 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (0.34 lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (1.13 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.d** Emission Limitation -  
3.08 lbs NO<sub>x</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (100 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (20 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (55 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

## **V. Testing Requirements (continued)**

**2.e** Emission Limitation -  
0.71 lb CO/hr.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (84 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

## **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:** Boiler 3 (B004)

**Activity Description:** Boiler 3 - Natural gas/Fuel Oil fired 8.34 MMBtu/h boiler

#### 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>
8.34 MMBtu/hr natural gas/fuel oil-fired boiler	OAC rule 3745-17-07(A)(1)	Visible particulate emissions (PE) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions (PE) shall not exceed 0.020 lb/MMBtu actual heat input.
	OAC rule 3745-31-05(A)(3) (PTI 01-6442)	1.58 lbs PE/hr* 26.37lbs SO <sub>2</sub> /hr* 0.07 lb VOC/hr* 3.08 lbs NO <sub>x</sub> /hr* 0.71 lb CO/hr* *See A.I.2.a and A.II.1

##### 2. Additional Terms and Conditions

- 2.a The hourly mass emission limits for PE, SO<sub>2</sub>, VOC, NO<sub>x</sub> and CO listed in Section A.I.1 for this emissions unit were established by OAC rule 3745-31-05(A)(3) to reflect the potentials to emit for this emissions unit based on the maximum sulfur content for fuel oil in A.II.1. Therefore, no additional monitoring, record keeping or reporting are required to ensure compliance with these limits.

#### II. Operational Restrictions

1. The quality of oil burned in this emissions unit shall have a maximum sulfur content of 3%, by weight, on an as-burned basis.

(Authority for term: OAC rule 3745-77-07(A)(1) & PTI 01-6442))

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

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content.

(Authority for term: OAC rule 3745-77-07(C)(1))

### III. Monitoring and/or Record Keeping Requirements (continued)

2. Whenever a fuel other than natural gas and/or No. 2 fuel oil is burned in this emissions unit, 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 the stack 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.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate visible emissions.

Daily checks of visible emissions shall not be required when only natural gas and/or No. 2 fuel oil are being burned in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation in Section A.II.1, based upon the sulfur content of the fuel oil. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 01-6442)

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit in conjunction with the burning of any fuel other than natural gas and/or No. 2 fuel oil, 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.

(Authority for term: OAC rule 3745-77-07(C)(1))

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

## V. Testing Requirements (continued)

- 1.a** Emission Limitation -  
0.020 lb PE/MMBtu actual heat input.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (1.9 lbs PE/MMcu.ft.) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (17.2 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-10(B)(1))

- 1.b** Emission Limitation -  
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-03(B)(1))

- 2.a** Emission limitation -  
1.58 lbs PE/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (7.6 lbs PE/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (9.19S+3.22lbs PE/1000 gal).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1))

**V. Testing Requirements (continued)**

**2.b** Emission Limitation -  
26.37 lb SO<sub>2</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (0.6 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (142S lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (157S lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.c** Emission Limitation -  
0.05 lb VOC/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (5.5 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (0.34 lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (1.13 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.d** Emission Limitation -  
3.08 lbs NO<sub>x</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (100 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (20 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (55 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**V. Testing Requirements (continued)**

**2.e** Emission Limitation -  
0.71 lb CO/hr.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (84 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**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:** Boiler 4 (B005)

**Activity Description:** Boiler 4 - Natural gas/Fuel Oil fired 8.34 MMBtu/h boiler

#### 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>
8.34 MMBtu/hr natural gas/fuel oil-fired boiler	OAC rule 3745-17-07(A)(1)	Visible particulate emissions (PE) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions (PE) shall not exceed 0.020 lb/MMBtu actual heat input.
	OAC rule 3745-31-05(A)(3) (PTI 01-6442)	1.58 lbs PE/hr* 26.37lbs SO <sub>2</sub> /hr* 0.07 lb VOC/hr* 3.08 lbs NO <sub>x</sub> /hr* 0.71 lb CO/hr* *See A.I.2.a and A.II.1

##### 2. Additional Terms and Conditions

- 2.a The hourly mass emission limits for PE, SO<sub>2</sub>, VOC, NO<sub>x</sub> and CO listed in Section A.I.1 for this emissions unit were established by OAC rule 3745-31-05(A)(3) to reflect the potentials to emit for this emissions unit based on the maximum sulfur content for fuel oil in A.II.1. Therefore, no additional monitoring, record keeping or reporting are required to ensure compliance with these limits.

#### II. Operational Restrictions

1. The quality of oil burned in this emissions unit shall have a maximum sulfur content of 3%, by weight, on an as-burned basis.

(Authority for term: OAC rule 3745-77-07(A)(1) & PTI 01-6442))

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

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content.

(Authority for term: OAC rule 3745-77-07(C)(1))

### III. Monitoring and/or Record Keeping Requirements (continued)

2. Whenever a fuel other than natural gas and/or No. 2 fuel oil is burned in this emissions unit, 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 the stack 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.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate visible emissions.

Daily checks of visible emissions shall not be required when only natural gas and/or No. 2 fuel oil are being burned in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation in Section A.II.1, based upon the sulfur content of the fuel oil. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 01-6442)

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit in conjunction with the burning of any fuel other than natural gas and/or No. 2 fuel oil, 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.

(Authority for term: OAC rule 3745-77-07(C)(1))

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

**V. Testing Requirements (continued)**

**1.a** Emission Limitation -  
0.020 lb PE/MMBtu actual heat input.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (1.9 lbs PE/MMcu.ft.) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (17.2 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-10(B)(1))

**1.b** Emission Limitation -  
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-03(B)(1))

**2.a** Emission limitation -  
1.58 lbs PE/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (7.6 lbs PE/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (9.19S+3.22lbs PE/1000 gal).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1))

**V. Testing Requirements (continued)**

**2.b** Emission Limitation -  
26.37 lb SO<sub>2</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (0.6 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (142S lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (157S lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.c** Emission Limitation -  
0.05 lb VOC/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (5.5 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (0.34 lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (1.13 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.d** Emission Limitation -  
3.08 lbs NO<sub>x</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (100 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (20 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (55 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

## **V. Testing Requirements (continued)**

**2.e** Emission Limitation -  
0.71 lb CO/hr.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (84 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

## **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:** Boiler 5 (B006)

**Activity Description:** Boiler 5 - Natural gas/Fuel Oil fired 8.34 MMBtu/h boiler

#### A. State and Federally Enforceable Section

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

- 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>
8.34 MMBtu/hr natural gas/fuel oil-fired boiler	OAC rule 3745-17-07(A)(1)	Visible particulate emissions (PE) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions (PE) shall not exceed 0.020 lb/MMBtu actual heat input.
	OAC rule 3745-31-05(A)(3) (PTI 01-6442)	1.58 lbs PE/hr* 26.37lbs SO <sub>2</sub> /hr* 0.07 lb VOC/hr* 3.08 lbs NO <sub>x</sub> /hr* 0.71 lb CO/hr* *See A.I.2.a and A.II.1

##### 2. Additional Terms and Conditions

- The hourly mass emission limits for PE, SO<sub>2</sub>, VOC, NO<sub>x</sub> and CO listed in Section A.I.1 for this emissions unit were established by OAC rule 3745-31-05(A)(3) to reflect the potentials to emit for this emissions unit based on the maximum sulfur content for fuel oil in A.II.1. Therefore, no additional monitoring, record keeping or reporting are required to ensure compliance with these limits.

##### II. Operational Restrictions

- The quality of oil burned in this emissions unit shall have a maximum sulfur content of 3%, by weight, on an as-burned basis.

(Authority for term: OAC rule 3745-77-07(A)(1) & PTI 01-6442))

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

- For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content.

(Authority for term: OAC rule 3745-77-07(C)(1))

### III. Monitoring and/or Record Keeping Requirements (continued)

2. Whenever a fuel other than natural gas and/or No. 2 fuel oil is burned in this emissions unit, 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 the stack 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.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate visible emissions.

Daily checks of visible emissions shall not be required when only natural gas and/or No. 2 fuel oil are being burned in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation in Section A.II.1, based upon the sulfur content of the fuel oil. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 01-6442)

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit in conjunction with the burning of any fuel other than natural gas and/or No. 2 fuel oil, 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.

(Authority for term: OAC rule 3745-77-07(C)(1))

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

**V. Testing Requirements (continued)**

- 1.a** Emission Limitation -  
0.020 lb PE/MMBtu actual heat input.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (1.9 lbs PE/MMcu.ft.) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (17.2 lbs PE/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (8.34 MMBtu/hr).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-10(B)(1))

- 1.b** Emission Limitation -  
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) & OAC rule 3745-17-03(B)(1))

- 2.a** Emission limitation -  
1.58 lbs PE/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (7.6 lbs PE/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum No. 2 fuel oil capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (2.0 lbs PE/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum No. 6 fuel oil capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (9.19S+3.22lbs PE/1000 gal).

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or Local Air Agency.

(Authority for term: OAC rule 3745-77-07(C)(1))

**V. Testing Requirements (continued)**

**2.b** Emission Limitation -  
26.37 lb SO<sub>2</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (0.6 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (142S lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (157S lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.c** Emission Limitation -  
0.05 lb VOC/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (5.5 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (0.34 lb/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (1.13 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**2.d** Emission Limitation -  
3.08 lbs NO<sub>x</sub>/hr;

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (100 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 2 oil (20 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (55 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**V. Testing Requirements (continued)**

**2.e** Emission Limitation -  
0.71 lb CO/hr.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0084 MMcu.ft./hr) by the AP-42 emission factor for natural gas (84 lbs/MMcu.ft.).

For the use of No. 2 oil, compliance shall be based upon multiplying the maximum hourly No. 2 oil burning capacity of the emissions unit (60 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

For the use of No. 6 oil, compliance shall be based upon multiplying the maximum hourly No. 6 oil burning capacity of the emissions unit (56 gal/hr) by the AP-42 emission factor for No. 6 oil (5 lbs/1000 gal).

(Authority for term: OAC rule 3745-77-07(C)(1) & PTI 01-6442))

**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:** Batch Unloading (F001)

**Activity Description:** Raw material handling of minor ingredients and weighing operations

#### 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>
Raw material handling of minor ingredients and weighing operations, controlled with baghouse but venting indoors (no stack)	OAC rule 3745-31-05(A)(3) (PTI 01-4264)	0.50 lb PE/hr  Visible Emissions (VE) shall not exceed 20% opacity as a 3- minute average.
	OAC rule 3745-17-08(B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.b.

##### 2. Additional Terms and Conditions

- 2.a This emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, therefore the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.
- 2.b Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B) do not apply to this emissions unit.

##### II. Operational Restrictions

None

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

1. The permittee shall maintain daily records of the type and quantity of material processed (with appropriate supporting data and calculations) and the hours of operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

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

1. The permittee shall submit quarterly reports to Ohio EPA Central District Office which summarize the following
  - a. identification of materials processed;
  - b. tons of materials processed;
  - c. hours of operation; and
  - d. daily average emissions of PM calculated in accordance with A.V.1.a of these terms and conditions.

The report shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the previous three calendar months (October through December, January through March, April through June, and July through September, respectively).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 01-4264)

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

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation -  
0.50 lb PE/hr

Applicable Compliance Method -

Compliance shall be based upon daily average material process rate in tons/hr ([A.IV.1.b]/[A.IV.1.c]) multiplied by the controlled RACM emission factor for material handling processes ([1.0 lb/ton]x[1 - 0.98]). Note: AP-42, Table 11.15-1, states that particulate emissions from material handling at glass manufacturing facilities are negligible.

(Authority for rule: OAC rule 3745-77-07(C)(1) and PTI 01-4264)

- 1.b Emission Limitation -  
20 percent opacity as a 3-minute average

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1))

#### **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:** Box Plant Cyclone (P001)

**Activity Description:** Box Plant Cardboard Cutting

#### 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>
Box Plant Cardboard Cutting, controlled with cyclone/multiclone	OAC rule 3745-17-11(B)(1)  OAC rule 3745-17-07(A)(1)	Particulate emissions (PE) shall not exceed 30.5 lbs/hr.  Visible particulate emissions (PM) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.

##### 2. Additional Terms and Conditions

None

##### 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 the stack 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.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

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

1. The permittee shall submit quarterly reports that (a) identify all days during which any visible particulate emissions were observed from the cyclone/multiclone control systems and (b) describe the corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the previous three calendar months (October through December, January through March, April through June, and July through September, respectively).

(Authority for term: OAC rule 3745-77-07(C)(1))

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

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

- 1.a Emission Limitation -  
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-07(A)(1))

- 1.b Emission Limitation -  
30.5 lbs PE/hr

Appropriate Compliance Method -

Within two and one half years after issuance of this permit, this facility shall conduct an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), 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(s) shall be submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

(Authority for term: OAC rule 3745-77-07(C)(1))

#### **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:** Mold Shop Baghse (P002)

**Activity Description:** Mold Shop Machining Baghouse

#### 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>
Mold Shop Machining, controlled with baghouse but venting indoors (no stack)	OAC rule 3745-17-08(B)	See A.I.2.a
	OAC rule 3745-17-07(B)	See A.I.2.b.

##### 2. Additional Terms and Conditions

- 2.a This emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, therefore the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.
- 2.b Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B) do not apply to this emissions unit.

##### 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:** Furnace/Tank 1-2 (P006)

**Activity Description:** Furnace 1-2 - 9 tph glass melting furnace

#### A. State and Federally Enforceable Section

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

- 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>
Furnace 1-2 (9.0 tons/hr uncontrolled glass melting furnace)	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(1)	Particulate emissions (PE) shall not exceed 17.9 lbs/hr.
	OAC rule 3745-18-06(E)(2)	Sulfur dioxide (SO <sub>2</sub> ) emissions shall not exceed 130.8 lbs/hr.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- Except as necessary to achieve maximum production during a compliance test, the permittee shall not operate source P006 at a pull rate greater than 7.61 tons of glass per hour unless the permittee first demonstrates compliance with the limits specified in section A.I.1 of these terms and conditions at the desired, higher operating rate.

(Authority for term: OAC rule 3745-77-07(A)(1))

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

- The permittee shall maintain hourly records of the glass pull rate of each furnace operation, including calculations.

(Authority for term: OAC rule 3745-77-07(C)(1))

### III. Monitoring and/or Record Keeping Requirements (continued)

2. 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 the stack 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

### IV. Reporting Requirements

1. The permittee shall notify the Director (Ohio EPA, Central District Office) in writing of any record showing an exceedance of the allowable glass pull rate. The notification shall include a copy of such record and shall be sent to the Director (Ohio EPA, Central District Office) within 30 days following the end of the calendar month in which the exceedance occurred.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the previous three calendar months (October through December, January through March, April through June, and July through September, respectively).

(Authority for term: OAC rule 3745-77-07(C)(1))

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

## V. Testing Requirements (continued)

### 1.a Emissions Limitation - 17.9 lbs PE/hr

#### Appropriate Compliance Method -

Within two and one half years after issuance of this permit, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03(B)(10). The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), 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(s) shall be submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(10))

### 1.b Emission Limitation - 20 percent opacity, as a 6-minute average, except as provided by rule.

#### Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1))

### 1.c Emission Limitation - 42.6 lb SO<sub>2</sub>/hr

Compliance shall be based upon multiplying the maximum hourly capacity of the emissions unit (9.0 tons/hr) by the AP-42 emission factor, found in Table 11.15-1, for container glass manufacturing (3.4 lbs SO<sub>2</sub>/ton).

(Authority for rule: OAC rule 3745-77-07(C)(1))

## 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:** Furnace/Tank 1-1 (P007)  
**Activity Description:** Furnace 1-1 - 9.5 tph glass melting furnace

#### A. State and Federally Enforceable Section

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

- 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>
Furnace 1-1 (9.5 tons/hr uncontrolled glass melting furnace)	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(1)	Particulate emissions (PE) shall not exceed 18.53 lb/hr
	OAC rule 3745-18-06(E)(2)	Sulfur dioxide (SO <sub>2</sub> ) emissions shall not exceed 135.6 lbs/hr.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- Except as necessary to achieve maximum production during a compliance test, the permittee shall not operate source P007 at a pull rate greater than 8.745 tons of glass per hour unless the permittee first demonstrates compliance with the limits specified in section A.I.1 of these terms and conditions at the desired, higher operating rate.

(Authority for term: OAC rule 3745-77-07(A)(1))

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

- The permittee shall maintain hourly records of the glass pull rate of each furnace operation, including calculations.

(Authority for term: OAC rule 3745-77-07(C)(1))

### III. Monitoring and/or Record Keeping Requirements (continued)

2. 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 the stack 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

### IV. Reporting Requirements

1. The permittee shall notify the Director (Ohio EPA, Central District Office) in writing of any record showing an exceedance of the allowable glass pull rate. The notification shall include a copy of such record and shall be sent to the Director (Ohio EPA, Central District Office) within 30 days following the end of the calendar month in which the exceedance occurred.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the previous three calendar months (October through December, January through March, April through June, and July through September, respectively).

(Authority for term: OAC rule 3745-77-07(C)(1))

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
  - 1.a Emission Limitation -  
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1))

## **V. Testing Requirements (continued)**

### **1.b Emissions Limitation - 18.53 lbs PE/hr**

#### **Appropriate Compliance Method -**

Within two and one half years after issuance of this permit, this facility shall conduct an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03(B)(10). The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), 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(s) shall be submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(10))

### **1.c Emission Limitation - 44.13 lb SO<sub>2</sub>/hr**

Compliance shall be based upon multiplying the maximum hourly capacity of the emissions unit (9.5 tons/hr) by the AP-42 emission factor, as found in Table 11.15-1, for container glass manufacturing (3.4 lbs SO<sub>2</sub>/ton).

(Authority for rule: OAC rule 3745-77-07(C)(1))

## **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:** Unloading & Cullet Baghouse (P008)

**Activity Description:** Raw material unloading and cullet handling, crusher, and hotbins

#### 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>
Raw material unloading and cullet crushing and handling, controlled with 2 baghouses	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(1)	Particulate emissions (PE) shall not exceed 51.2 lb/hr
	OAC rule 3745-17-08(B)	See A.I.2.a
	OAC rule 3745-17-07(B)	See A.I.2.b.

##### 2. Additional Terms and Conditions

- 2.a This emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, therefore the requirement of OAC rule 3745-17-08(B) do not apply to this emissions unit.
- 2.b Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B) do not apply to this emissions unit.

##### 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 the baghouse 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.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain daily records of the following information:
  - a. quantity of major ingredients and cullet processed in the emissions unit, in tons; and
  - b. hours of operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

### IV. Reporting Requirements

1. The permittee shall submit quarterly reports to the Director (the appropriate Ohio EPA District Office or local air agency) which (a) identify all days during which any visible particulate emissions were observed from the baghouses and (b) describe the corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the previous three calendar months (October through December, January through March, April through June, and July through September, respectively).

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly reports to the Ohio EPA Central District Office which summarize the following:
  - a. daily quantity of major ingredients and cullet processed, in tons; and
  - b. daily hours of operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

## V. Testing Requirements (continued)

**1.a** Emission Limitation -  
51.2 lb PM/hr

Applicable Compliance Method -

Compliance shall be based upon the sum of the daily average hourly material handling rate [(A.III.2.a)/(A.III.2.b)] multiplied by the uncontrolled RACM emission factor for combined material handling processes [(1.56 lb/ton)x(0.10)], where 10% is the uncaptured percentage of all particulate emissions AND the daily average hourly material handling rate [(A.III.2.a)/(A.III.2.b)] multiplied by the controlled RACM emission factor for combined material handling processes [(1.56 lb/ton)x(0.90)x(1 - 0.995)], where 90% is the captured percentage of all particulate emissions and 99.5% is the baghouse removal efficiency.

Note: AP-42, Table 11.15-1, states that particulate emissions from material handling at glass manufacturing facilities are negligible.

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates, and sampling shall be conducted simultaneously at all emission points, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

(Authority for term: OAC rule 3745-77-07(C)(1))

**1.b** Emission Limitation -  
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

## 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:** Furnace/Tank 1-3 (P009)

**Activity Description:** Furnace 1-3 - 9 tph glass melting furnace

#### A. State and Federally Enforceable Section

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

- 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>
Furnace 1-3 (9.0 tons/hr modified process glass melting furnace) including a continuous opacity monitor	40 CFR Part 60, Subpart CC	Visible particulate emissions from any stack shall not exceed 10.3 percent opacity, as a 6-minute average.  The particulate emission (PE) limitation from 40 CFR Part 60, Subpart CC (1.0 lb PE/ton of glass pulled) is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 01-3867)	See A.I.2.a. 0.9 lb PE/ton of glass produced; 0.9 lb PM10/ton of glass produced; 20.0 lbs NOx/ton of glass produced; 1.26 lbs SO2/ton of glass produced; 0.0147 lb CO/ton of glass produced; 0.3 lb VOC/ton of glass produced; 0.0004 lb Lead/ton of glass produced.  The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart CC.
	OAC rules 3745-17-11(B)(1) and 3745-17-07(A)(1)	See A.I.2.b. The limitations from these rules are equal to or less stringent than the above limitations.
	OAC rule 3745-18-06(E)(2)	The SO2 limitation from this rule is less stringent than the SO2 limitation established pursuant to OAC rule 3745-31-05(A)(3).

## 2. Additional Terms and Conditions

- 2.a** This opacity limitation was established to correspond to the 97.5 percent upper confidence level of a normal distribution of the opacity recorded during the initial compliance demonstration, as 6-minute averages, pursuant to 40 CFR Part 60.293(c).

The permittee may petition to modify this limitation, in accordance with the methodology detailed in 40 CFR Part 60.293(c), pursuant to the most recent compliance demonstration.

- 2.b** The 0.9 lb PE-10/ton of glass produced limitation was established during development of permit to install 01-3867 for this emissions unit and assumes that all PM emissions from the source are PM-10. Stack testing performed on May 29, 1996 supports this assumption. Therefore, it is not necessary to develop record keeping requirements or compliance methods separate from those stated for PE emissions.

## II. Operational Restrictions

None

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain hourly records of the glass pull rate of each furnace operation, including calculations.
2. The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

The permittee shall maintain records of all data obtained by the continuous opacity monitoring system including, but not limited to, percent opacity on an instantaneous (1-minute) and 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The continuous emission monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart CC))

4. A statement of certification for the existing continuous opacity monitoring system shall be maintained on site and shall consist of a letter from Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR 60, Appendix B, Performance Specification 1. Proof of certification shall be made available to Ohio EPA upon request.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart CC)

5. The permittee shall maintain a written quality assurance/quality control plan for the continuous opacity monitoring system designed to ensure continuous, valid, and representative readings of opacity. The plan shall include, as a minimum, conducting and recording daily automatic zero/span checks, provisions for conducting a quarterly audit of the continuous opacity monitoring system, and a description of preventive maintenance activities. The plan shall describe step by step procedures for ensuring that sections 7.1.4, 7.4.1, 7.4.2, and Table 1-1 of Performance Specification 1 are maintained on a continuous basis. The quality assurance/quality control plan and a logbook dedicated to the continuous opacity monitoring system must be kept on site and be made available to the Director (Ohio EPA Central District Office).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart CC)

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

1. Pursuant to 40 CFR Parts 60.7 and 60.13(h), the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting all instances of opacity values in excess of the limitations specified in Section A.I.1, detailing the date, commencement and completion times, duration, percent opacity, reason (if known), and corrective actions taken for each 6-minute block average above the applicable opacity limitation(s).

(Authority for term: OAC 3745-77-07(C)(1))

2. The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting any continuous opacity monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

(Authority for term: OAC 3745-77-07(C)(1))

3. If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit, control equipment, and/or monitoring system malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report. These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

(Authority for term: OAC 3745-77-07(C)(1))

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

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

## V. Testing Requirements (continued)

### 1.a Emissions Limitation - 0.9 lb PE/hr

#### Applicable Compliance Method -

This facility shall conduct an emissions test(s) within two and one half years for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03(B)(10). The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), 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(s) shall be submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

(Authority for term: OAC 3745-77-07(C)(1), OAC rule 3745-17-03(B)(10) and PTI 01-3867)

### 1.b Emissions Limitation - 0.9 lb PM10/ton glass

#### Applicable Compliance Method -

The 0.9 lb PM-10/ton of glass produced limitation was established during development of permit to install 01-3867 for this emissions unit and assumes that all PM emissions from the source are PM-10. Stack testing performed on May 29, 1996 supports this assumption. Therefore, it is not necessary to develop record keeping requirements or compliance methods separate from those stated for PM emissions.

(Authority for term: OAC 3745-77-07(C)(1) and PTI 01-3867)

### 1.c Emissions Limitation - 20.0 lbs NOx/ton glass

#### Applicable Compliance Method -

Compliance shall be based upon emissions calculations using the emission factor developed for this source through stack testing (19.95 lb NOx/ton glass) or upon an emission factor developed through future stack testing.

If required, stack testing shall be conducted in accordance with 40 CFR Part 60, Appendix A, method 7 or 7E.

(Authority for term: OAC 3745-77-07(C)(1) and PTI 01-3867)

## **V. Testing Requirements (continued)**

- 1.d** Emissions Limitation -  
1.26 lbs SO<sub>2</sub>/ton glass

Applicable Compliance Method -

Compliance shall be based upon emissions calculations using the emission factor developed for this source through stack testing (1.26 lb SO<sub>2</sub>/ton glass), or upon an emission factor developed through future stack testing.

If required, stack testing shall be performed in accordance with 40 CFR Part 60, Appendix A, method 6 or 6C.

(Authority for term: OAC 3745-77-07(C)(1) and PTI 01-3867)

- 1.e** Emissions Limitation -  
0.0147 lb CO/ton glass

Applicable Compliance Method -

Compliance shall be based upon emissions calculations using the emission factor developed for this source through stack testing (0.0147 lb CO/ton glass) or upon an emission factor developed through future stack testing.

If required, stack testing shall be performed in accordance with 40 CFR Part 60, Appendix A, method 10.

(Authority for term: OAC 3745-77-07(C)(1) and PTI 01-3867)

- 1.f** Emissions Limitation -  
0.3 lb VOC/ton glass

Applicable Compliance Method -

Compliance shall be based upon emissions calculations using the emission factor developed for this source through stack testing (0.3 lb VOC/ton glass), or upon an emission factor developed through future stack testing.

If required, stack testing shall be performed in accordance with 40 CFR Part 60, Appendix A, method 25 or 25A (as appropriate).

(Authority for term: OAC 3745-77-07(C)(1) and PTI 01-3867)

- 1.g** Emissions Limitation -  
0.0004 lb Pb/ton glass

Applicable Compliance Method -

Compliance shall be based upon emissions calculations using the emission factor developed for this source through stack testing (0.0003 lb Pb/ton glass) or upon an emission factor developed through future stack testing.

If required, stack testing shall be performed in accordance with 40 CFR Part 60, Appendix A, method 12.

(Authority for term: OAC 3745-77-07(C)(1) and PTI 01-3867)

## **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:** Batch Weighing and Handling (P010)

**Activity Description:** Batch unloading of major ingredients from storage silos to weighing operations

#### 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>
Batch unloading of major ingredients from storage silos to weighing operations, controlled with multiple dust collectors	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 and PTI 01-4264
	OAC rule 3745-31-05(A)(3) (PTI 01-4264)	Particulate emissions (PE) shall not exceed 0.5 lb/hr
	OAC rule 3745-17-08(B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.b.

##### 2. Additional Terms and Conditions

- 2.a This emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, therefore the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.
- 2.b Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B) do not apply to this emissions unit.

##### II. Operational Restrictions

None

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

- 1.a** 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 the dust collector 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.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

- 1.b** The permittee shall maintain daily records of the following information of the type and quantity of materials processed in the emissions unit in tons and the hours of operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

### IV. Reporting Requirements

- 1.** The permittee shall submit quarterly reports by February 15, May 15, August 15, and November 15 of each year and shall cover the previous three calendar months (October through December, January through March, April through June, and July through September, respectively) to the Director (the appropriate Ohio EPA District Office or local air agency)
- 1.a** In these quarterly reports, identify all days during which any visible particulate emissions were observed from the dust collector(s) and (b) describe the corrective actions taken to eliminate the visible particulate emissions.
- 1.b** In these quarterly reports, identify material processed, tons of material processed, and hours of operation.

### V. Testing Requirements

- 1.** Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):
- 1.a** Emission Limitation -  
20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method -

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, method 9, and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

**V. Testing Requirements (continued)**

**1.b** Emission Limitation -  
0.5 lb PM/hr

Applicable Compliance Method -

Compliance shall be based upon average hourly material process rate in tons/hr ([B.III.1.a]/[B.III.1.b]) multiplied by the controlled RACM emission factor for material handling processes ([0.56 lb/ton]x[1 - 0.995]).

Note: AP-42, Table 11.15-1, states that particulate emissions from material handling at glass manufacturing facilities are negligible.

If required, this facility shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emissions rate for particulates. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 01-4264)

**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>
---	---	--

**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:** Glass Forming/Annealing (P011)

**Activity Description:** Glass forming (pressing/blowing) and annealing, tempering, heat soak lines

#### 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>
Uncontrolled glass forming (pressing/blowing), annealing, tempering, and heat soak lines (no stack)	OAC rule 3745-17-08(B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.b.

##### 2. Additional Terms and Conditions

- 2.a This emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, therefore the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.
- 2.b Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B) do not apply to this emissions unit.

##### 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

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**THIS IS THE LAST PAGE OF THE PERMIT**

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# Statement of Basis For Title V Permit

Part I - General	
Company Name	Anchor Hocking Consumer Glass Corp.
Premise Number	01-23-01-0078
What makes this facility a Title V facility?	NOx
Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01 (U)?	Yes.
Were there any "common control" issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	No.
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit modification per OAC rule 3745-77-08(C)(3)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC rule 3745-77-08(D)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E)	N/A

Part II (State and Federally Enforceable Requirements)			
Term and Condition (paragraph)	Basis		<u>Comments</u>
	SIP (3745-)	Other	
None			

C

**Instructions for Part II:**

Each paragraph in Part II must be identified and the remainder of the table completed. If the SIP (not including 31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an "N" in the column under "SIP." If the basis for the term and condition is something other than the SIP, including 3745-31-05, NSPS or MACT, a "Y" should be noted in the "Other" column, and if not, an "N" should be noted. Whether the basis for the term and condition is the "SIP" or "Other," an explanation of each term and condition in Part II must be provided in the "Comments" section.

Part III (Requirements Within the State and Federally Enforceable Section)															
Any unusual requirements or aspects of the terms and conditions in Part III that are not self-explanatory should be explained in the appropriate comment field or in a paragraph following the table for Part III.															
EU(s)	Limitation	Basis		N D	OR	M	St	ENF	R	St	Rp	St	ET	Misc	<u>Comments</u>
		SIP (3745-)	Other												

B001 and B003 and B004 and B005 and B006	20% VE	17-07 (A)(1)	N	n	y	y	n	n	y	n	y	n	y	n	OR: The quality of the oil burned in the emissions unit shall have a maximum sulfur content of 3%, by weight, on an as-burned basis.
	0.020lb/mm BTU	17-10 (B)(1)													
	1.58 lbs PE/hr	31-05 (A)(3)													
	26.37 lbs SO2/hr	(PTI # 01-6442)													
	0.07 lbs VOC/hr														
	3.08 lbs NOx/hr														
0.71 lbs CO/hr															
F001	0.50 lbs PE/hr	31-05 (PTI # 01-4264)	N	n	n	y	n	n	y	n	y	n	n	n	ET: Compliance for PE shall be based upon daily average material process rate in tons/hr multiplied by the controlled RACM emission factor for material handling processes ((1.0lb/ton)x[1-0.98]).
P001	30.5 lbs PE/hr	17-11 (B)(1)	N	n	n	y	n	n	y	n	y	n	y	n	
	20% VE	17-07 (A)(1)													
P002	none	17-08	N	n	n	n	n	n	n	n	n	n	n	n	Emissions unit not located in an Appendix A area; venting indoors.
P006	20% VE	17-07 (A)(1)	N	n	y	y	n	n	y	n	y	n	y	n	OR: Shall not operate at a pull rate greater than 7.61 tons of glass per hour unless compliance is demonstrated at higher rate.
	17.9 lbs PE/hr	17-11 (B)(1)													
	130.8 lbs SO2/hr	18-06 (E)(2)													

P007	20% VE  18.53 lbs PE/hr  135.6 lbs SO2/hr	17-07 (A)(1)  17-11 (B)(1)  18-06 (E)(2)	N	n	y	y	n	n	y	n	y	n	y	n	OR: Shall not operate source at a pull rate greater than 8.745 tons of glass per hour unless compliance is demonstrated at higher rate.
P008	20% VE  51.2 lbs PE/hr	17-07 (A)(1)  17-11 (B)(1)	N	n	n	y	n	n	y	n	y	n	y	n	

P009	10.3% VE		40 CFR 60 Subpart CC	n	n	y	n	n	y	n	y	n	y	n	
	1.0lbs PE/ton glass pulled														
	0.9lbs PE/ton of glass	31-05 (PTI 01- 3867)													
	0.9lbs PM10/ton of glass														
	20.0lbs Nox/ton of glass														
	1.26lbs SO2/ton of glass														
	0.0147lbs CO/ton of glass														
	0.3lbs VOC/ton of glass														
	0.0004lbs lead/ton of glass														
	none	17-11 (B)(1)													
		17-07 (A)(1)													
		18-06 (E)(2)													

P010	20% VE  0.5lbs PE/hr  none	17-07 (A)(1)  31-05 (A)(3) (PTI 01- 4264)  17-11 (B)(1)	N	n	n	y	n	n	y	n	y	n	n	n	ET: Compliance for PE shall be based upon daily average material process rate in tons/hr multiplied by the controlled RACM emission factor for material handling processes ([0.56lb/ton]x[1-0.995]).
P011	none  none	17-07  17-08	N	n	n	n	n	n	n	n	n	n	n	n	Emissions unit not located in an Appendix A area; venting indoors.

EU = emissions unit ID

ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit)

OR = operational restriction

M = monitoring requirements

St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement

ENF = did noncompliance issues drive the monitoring requirements?

R = record keeping requirements

Rp = reporting requirements

ET = emission testing requirements (not including compliance method terms)

Misc = miscellaneous requirements

### C Instructions for Part III:

- C All non-insignificant EUs must be included in this table. For each EU, or group of similar EUs, each emission limitation and control requirement specified in section A.I.1 and A.I.2 of the permit must be identified and the remainder of the table completed.
- C If the SIP (not including OAC rule 3745-31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an "N" in the column under "SIP." If the basis for the term and condition is something other than the SIP, including OAC rule 3745-31-05, NSPS or MACT, a "Y" should be noted in the "Other" column, and if not, an "N" should be noted. If the basis for the term and condition is "Other," an explanation of the basis must be provided in the "Comments" section. If OAC rule 3745-31-05 is cited in the "Other" column, please indicate in the "Comments" section whether or not all of the requirements have been transferred from the permit to install.
- To complete the remainder of the table after "Basis," except for the "Comments" section, simply specify a "Y" for yes or an "N" for no. For the "M," "R," "Rp," and "ET" columns, if "N" is specified, there should be a brief explanation in the "Comments" section as to why there are no requirements. If a brief explanation is provided in the "Comments" section, please do not simply indicate that monitoring or testing requirements are not necessary. An explanation of why a requirement is not necessary should be specified.

When periodic monitoring requirements are established to satisfy the provisions of OAC rule 3745-77-07(A)(3)(a)(ii), the basis for the requirements must be explained. Whenever Engineering Guides have been used to establish the periodic monitoring requirements, the applicable Engineering Guide may be referenced in the "Comments" section. An example that should be clarified would be the situation where it has been determined that control equipment parametric monitoring will be used to evaluate ongoing compliance in lieu of performing frequent emission tests. In this situation, Engineering Guide #65 would be referenced along with the fact that the parametric monitoring range (or minimum value)

corresponded to the range (or minimum value) documented during the most recent emission tests that demonstrated that the emissions unit was in compliance. If streamlining language is included in the "Monitoring," "Record Keeping," or "Reporting" requirements sections of the permit, explain which requirements are being streamlined (mark appropriate column above) and provide a brief explanation of why the streamlined term is equal to or more stringent than the "Monitoring," "Record Keeping," or "Reporting" requirements specified in the permit to install. If Engineering Guide #16 was used as the basis for establishing an emission test frequency, a simple note referencing the Engineering Guide in the "Comments" section would be sufficient.

Also, if a "Y" is noted under "OR," "Misc," "St," "ND," or "ENF" an explanation of the requirements must be provided in the "Comments" section. In addition to a general explanation of the "OR," "Misc," "St," "ND," and/or "ENF" the following must be provided:

1. For an operational restriction, clarify if appropriate monitoring, record keeping, and reporting requirements have been specified for the operational restriction and indicate whether or not CAM is currently applicable.
2. If a control plan and schedule is included in the "Miscellaneous Requirements" section of the permit, provide an explanation in the "Comments" section of the violation, basis for the violation, and the company's proposed control plan and schedule.
3. If the "ND" column above is marked, please identify the particular rule(s) that is (are) not applicable to the specified emissions unit.
2. If the "ENF" column above is marked, please provide a brief explanation of the noncompliance issue(s) which prompted the use of the specified monitoring requirement.

An explanation is not required if an "N" is noted in the "OR," "Misc," "St," "ND," or "ENF" columns.

- C** **Additional information for modifications** - Several types of modifications, as defined by rule, may be processed concurrently. Please provide enough of a description for someone wishing to review the changes to the permit language to be able to identify where the change is made in the permit document. This brief description should be identified in the appropriate row in the first table of this form by replacing the "N/A" in the applicable row(s). Please also indicate if the modification is being initiated by an appeal by including the ERAC case number in the "Comments" area. Please update the term-specific text in the SOB as warranted (full insertion or replacement is acceptable; bold italic and strike out is not needed). Note all modification/reopening rows should remain "N/A" when developing the SOB during the initial permit development. Note: APA's and Off-permit changes do not need to be noted in the SOB.