



State of Ohio Environmental Protection Agency

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Lazarus Gov. Center  
P.O. Box 1049  
Columbus, OH 43216-1049

07/31/00

**CERTIFIED MAIL**

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

07-73-01-0001  
OSCO Industries - Portsmouth Division  
HARRY E GULLEY  
JCT.RT. 23 SOUTH & RT. 52 EAST/WEST  
P.O. BOX 1388  
PORTSMOUTH, OH 45662-1388

Dear HARRY E GULLEY:

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 Portsmouth Air Pollution Group within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled.

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

**If you have any questions or comments concerning this draft Title V permit, please contact Portsmouth Air Pollution Group.**

Very truly yours,

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

cc: USEPA  
Jim Orlemann, DAPC Engineering  
Michael Ahern, DAPC PMU  
Portsmouth Air Pollution Group  
Kentucky  
West Virginia



## Ohio EPA

State of Ohio Environmental Protection Agency

### TITLE V PERMIT

Issue Date: 07/31/00

### DRAFT

Effective Date:

Expiration Date:

This document constitutes issuance to:

OSCO Industries - Portsmouth Division  
JCT.RT. 23 SOUTH & RT. 52 EAST/WEST  
P.O. BOX 1388  
PORTSMOUTH, OH 45662-1388

of a Title V permit for Facility ID: 07-73-01-0001

Emissions Unit ID (Company ID)/

Emissions Unit Activity Description:

B003 (Annealing Furnace)

Gas fired Heat Treat Furnace For Softening Castings to Increase Machinability

F001 (DISA #1 MOLDING, POURING, COOLING, AND SHAKEOUT SYSTEM)  
MOLD MAKING, POURING, COOLING, AND SHAKEOUT SYSTEM

F002 (Osborn Molding, Pouring, Cooling, and Shakout System)  
Mold Making, Pouring, Cooling, and Shakeout System

F003 (East Line Molding, Pouring, Cooling, and Shakeout )  
Mold Making, Pouring, Cooling, and Shakeout System

F004 (Stand Grinders)  
Stand Grinders, Rough Ground Castings

F007 (Electric HoldingFurnace)  
Holding Furnace, Temperature and Chemistry Maintained Molten Iron for Transfer for Pouring.

P002 (West Cooling Drum)  
Continuous Rotary Cooling Drum

P004 (Wheelabrator #1)  
Shotblaster, Casting Cleaning

P005 (East Cooling Drum)  
Continuous Rotary Cooling Drum

P013 (Disa #2 Molding, Pouring, Cooling, and Shakeout System)  
Mold Making, Pouring, Cooling, and Shakeout System

P014 (Wheelabrator #5)  
Shotblaster, Casting Cleaning

P015 (Wheelabrator #2)  
Shotblaster, Casting Cleaning

P016 (Wheelabrator #4)  
Shotblaster, Casting Cleaning

P018 (WHEELABRATOR #6)  
34" cubic foot Shot Blaster used for cleaning the castings

P019 (West Sand System)  
Prepared Molding Sand

P906 (WEST CUPOLA)  
Cupola; melting of metallic materials to form molten gray iron castings

P907 (East Cupola)  
Cupola; melting of metallic materials to form molten iron for making gray iron castings

Z002 (East Sand System)  
Prepared Molding Sand

Z003 (Charge Handling)  
Transferring, Weighing, and Charging of Materials

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

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

Portsmouth Air Pollution Group  
740 Second Street  
Portsmouth, OH 45662  
(614) 353-5156

**OHIO ENVIRONMENTAL PROTECTION AGENCY**

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Christopher Jones  
Director

# **PART I - GENERAL TERMS AND CONDITIONS**

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

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

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

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

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

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

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

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

## **3. Risk Management Plans**

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

## **4. Title IV Provisions**

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

## **5. Severability Clause**

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

## **6. General Requirements**

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

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

## **7. Fees**

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

## **8. Marketable Permit Programs**

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

## **9. Reasonably Anticipated Operating Scenarios**

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

## **10. Reopening for Cause**

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

- a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.
- b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

- c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

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

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

## **12. Compliance Requirements**

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to

the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:

- i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
- ii. Compliance certifications shall include the following:
  - (a) An identification of each term or condition of this permit that is the basis of the certification.
  - (b) The permittee's current compliance status.
  - (c) Whether compliance was continuous or intermittent.
  - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
  - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
- iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

### **13. Permit Shield**

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

### **14. Operational Flexibility**

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

### **15. Emergencies**

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

## **16. Off Permit Changes**

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

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

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

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

## **17. Compliance Method Requirements**

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

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

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

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

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

The permittee shall submit required reports in the following manner:

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

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

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

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

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

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

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

## **6. Permit Transfers**

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

## **7. Air Pollution Nuisance**

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

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

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

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

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

**None**

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

1. The following insignificant emissions units are located at this facility:

F005 - bond storage tank;  
F006 - waste dust handling system and loadout;  
G001 - diesel dispensing facility;  
P001 - gas-fired core ovens;  
P017 - gray iron foundry core machine;  
Z008 - makeup air unit #1;  
Z009 - makeup air unit #2;  
Z010 - makeup air unit #3;  
Z004 - makeup air unit #4;  
Z005 - makeup air unit #5;  
Z006 - material handling (coke); and  
Z007 - material handling (limestone).

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

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

**Emissions Unit ID:** Annealing Furnace (B003)

**Activity Description:** Gas fired Heat Treat Furnace For Softening Castings to Increase Machinability

**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>
annealing furnace: natural gas-fired heat treat furnace	OAC rule 3745-17-11	None, see section A.I.2.a below.
	OAC rule 3745-17-07(A)	None, see section A.I.2.b below.
	OAC rule 3745-18-06	None, see section A.I.2.c below.

**2. Additional Terms and Conditions**

- 2.a The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight, as defined in OAC rule 3745-17-01(B)(14), is equal to zero.
- 2.b This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.
- 2.c The equation specified in OAC rule 3745-18-06(E)(2) does not apply because the process weight, as defined in OAC rule 3745-18-01(B)(13), is equal to zero.

**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:** DISA #1 MOLDING, POURING, COOLING, AND SHAKEOUT SYSTEM (F001)  
**Activity Description:** MOLD MAKING, POURING, COOLING, AND SHAKEOUT SYSTEM

#### 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>
Disamatic #1: mold making, pouring, cooling and shakeout system controlled with the East Foundry Dust Collection (EFDC) baghouse and the West Dust Collection (WDC) baghouse	OAC rule 3745-17-07(A)	See section A.I.2.a below.
	OAC rule 3745-17-11(B)	Total particulate emissions from emissions units F001 and P013 combined (based on Figure II of OAC rule 3745-17-11) shall not exceed 10.2 lbs/hr.
	OAC rule 3745-31-05(A)(3) (PTI 07-092)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-11(B) and 3745-17-07(A).

##### 2. Additional Terms and Conditions

- Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- This facility is located in Scioto County which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions are exempt from the visible particulate emission limitation and the fugitive dust control requirements established in OAC rule 3745-17-07 and OAC rule 3745-17-08, respectively.

#### II. Operational Restrictions

- The pressure drop across the EFDC and the WDC baghouses shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

- The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a daily basis.

#### IV. Reporting Requirements

- The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.

#### **IV. Reporting Requirements (continued)**

2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

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

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - 1.a Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and methods required in OAC rule 3745-17-03(B)(1).

- 1.b Emission Limitation:  
Total particulate emissions from emissions units F001 and P013 combined (based on Figure II of OAC rule 3745-17-11) shall not exceed 10.2 lbs/hr.

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

2. The following emissions units vent to the EFDC baghouse: F001 (cooling), F002 (mold making, pouring, cooling), F003 (cooling), F007, P005, P013 (cooling). The following emissions units vent to the WDC baghouse: F001 (pouring, shakeout), F002 (shakeout), F003 (pouring, shakeout), P002, P013 (pouring, shakeout), P019.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitation specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the WDC and EFDC baghouses.
- c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted simultaneously at the WDC and EFDC baghouse outlets with one of the cupolas operating at or near the maximum melt rate and all emissions units venting to the WDC and EFDC baghouses operating at rates which support the maximum cupola melt rate.
- e. Since multiple emissions units vent to common baghouses and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the WDC and EFDC baghouses will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the WDC and EFDC baghouses for the purpose of demonstrating compliance.

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

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## **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:** Osborn Molding, Pouring, Cooling, and Shakout System (F002)  
**Activity Description:** Mold Making, Pouring, Cooling, and Shakeout System

### 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>
Osborne Line: mold making, pouring, cooling and shakeout system controlled with the East Foundry Dust Collection (EFDC) baghouse and the West Dust Collection (WDC) baghouse	OAC rule 3745-17-07(A)  OAC rule 3745-17-11(B)	See section A.I.2.a below.  Total particulate emissions from emissions units F002 and F003 combined (based on Figure II of OAC rule 3745-17-11) shall not exceed 9.3 lbs/hr.

#### 2. Additional Terms and Conditions

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- 2.b This facility is located in Scioto County which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions are exempt from the visible particulate emission limitation and the fugitive dust control requirements established in OAC rule 3745-17-07 and OAC rule 3745-17-08, respectively.

### II. Operational Restrictions

1. The pressure drop across the EFDC and the WDC baghouses shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a daily basis.

### IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

## V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and methods required in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:  
Total particulate emissions from emissions units F002 and F003 combined (based on Figure II of OAC rule 3745-17-11) shall not exceed 9.3 lbs/hr.

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

2. The following emissions units vent to the EFDC baghouse: F001 (cooling), F002 (mold making, pouring, cooling), F003 (cooling), F007, P005, P013 (cooling). The following emissions units vent to the WDC baghouse: F001 (pouring, shakeout), F002 (shakeout), F003 (pouring, shakeout), P002, P013 (pouring, shakeout), P019.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitation specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the WDC and EFDC baghouses.

c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted simultaneously at the WDC and EFDC baghouse outlets with one of the cupolas operating at or near the maximum melt rate and all emissions units venting to the WDC and EFDC baghouses operating at rates which support the maximum cupola melt rate.

e. Since multiple emissions units vent to common baghouses and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the WDC and EFDC baghouses will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the WDC and EFDC baghouses for the purpose of demonstrating compliance.

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

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## **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:** East Line Molding, Pouring, Cooling, and Shakeout (F003)  
**Activity Description:** Mold Making, Pouring, Cooling, and Shakeout System

#### 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>
East Line: mold making, pouring, cooling and shakeout system controlled with the East Foundry Dust Collection (EFDC) baghouse and the West Dust Collection (WDC) baghouse	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)	See section A.I.2.a below.  Total particulate emissions from emissions units F002 and F003 combined (based on Figure II of OAC rule 3745-17-11) shall not exceed 9.3 lbs/hr.

##### 2. Additional Terms and Conditions

- Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- This facility is located in Scioto County which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions are exempt from the visible particulate emission limitation and the fugitive dust control requirements established in OAC rule 3745-17-07 and OAC rule 3745-17-08, respectively.

#### II. Operational Restrictions

- The pressure drop across the EFDC and the WDC baghouses shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

- The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a daily basis.

#### IV. Reporting Requirements

- The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.
- These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

## V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the procedures and methods required in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:  
Total particulate emissions from emissions units F002 and F003 combined (based on Figure II of OAC rule 3745-17-11) shall not exceed 9.3 lbs/hr.

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

2. The following emissions units vent to the EFDC baghouse: F001 (cooling), F002 (mold making, pouring, cooling), F003 (cooling), F007, P005, P013 (cooling). The following emissions units vent to the WDC baghouse: F001 (pouring, shakeout), F002 (shakeout), F003 (pouring, shakeout), P002, P013 (pouring, shakeout), P019.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitation specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the WDC and EFDC baghouses.

c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted simultaneously at the WDC and EFDC baghouse outlets with one of the cupolas operating at or near the maximum melt rate and all emissions units venting to the WDC and EFDC baghouses operating at rates which support the maximum cupola melt rate.

e. Since multiple emissions units vent to common baghouses and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the WDC and EFDC baghouses will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the WDC and EFDC baghouses for the purpose of demonstrating compliance.

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

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## **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:** Stand Grinders (F004)  
**Activity Description:** Stand Grinders, Rough Ground Castings

#### 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>
20 stand grinders controlled with the cleaning room (CR) baghouse	OAC rule 3745-17-07(A)	See section A.I.2.a below.
	OAC rule 3745-17-11(B)	See section A.I.2.c below.
	OAC rule 3745-31-05(A)(3) (PTI 07-473)	Particulate emissions from this emissions unit shall not exceed 0.1 lb/hr and 0.5 ton/yr.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)
		See section A.I.2.b below.

##### 2. Additional Terms and Conditions

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- 2.b Total particulate emissions from all of the emissions units vented to the CR baghouse shall not exceed 25.7 lbs/hr. The following emissions units are vented to the CR baghouse: F004, P004, P014, P015, P016, and P018.
- 2.c The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 2.d This facility is located in Scioto County which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions are exempt from the visible particulate emission limitation and the fugitive dust control requirements established in OAC rule 3745-17-07 and OAC rule 3745-17-08, respectively.

##### II. Operational Restrictions

1. The pressure drop across the CR baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a daily basis.
2. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install # 07-473, issued on 06/03/1999: A.III.1. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

### IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.
3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #07-473, issued on 06/03/1999: A.IV.1 and A.IV.2. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

### V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - 1.a Emission Limitation:  
20% opacity as a 6-minute average  
  
Applicable Compliance Method:  
If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).
  - 1.b Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 0.1 lb/hr .  
  
Applicable Compliance Method:  
Compliance with this emission limitation shall be determined through emission tests performed in accordance with the requirements specified in section A.V.2.
  - 1.c Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 0.5 ton/yr.  
  
Applicable Compliance Method:  
Compliance with this emission limitation can be assumed provided that the permittee demonstrates compliance with the lb/hr particulate emission limitation.
  - 1.d Emission Limitation:  
Total particulate emissions from all of the emissions units vented to the CR baghouse shall not exceed 25.7 lbs/hr.  
  
Applicable Compliance Method:  
Compliance with this emission limitation shall be determined through emission tests performed in accordance with the requirements specified in section A.V.2.

## V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:
  - a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitations specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the CR baghouse.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted at the CR baghouse outlet(s) with all of the emissions units which vent to the CR baghouse operating at or near maximum rates.
  - e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the CR baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the CR baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #07-473, issued on 06/03/1999: A.V.1, and A.V.2. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

## 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:** Electric HoldingFurnace (F007)

**Activity Description:** Holding Furnace, Temperature and Chemistry Maintained Molten Iron for Transfer for Pouring.

#### 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>
electric induction holding furnace controlled with the East Foundry Dust Collection (EFDC) baghouse	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 07-414)	Controlled particulate emissions from this emissions unit shall not exceed 0.30 lb/hr and 1.31 tons/yr.  Fugitive particulate emissions from this emissions unit shall not exceed 2.07 tons/yr.  There shall be no visible particulate emissions from this emissions unit.  See sections A.I.2.a and A.I.2.b below.

##### 2. Additional Terms and Conditions

- 2.a Total particulate emissions from all of the emissions units vented to the EFDC baghouse shall not exceed 0.015 grain/dscf, 8.49 lbs/hr, and 37.16 tons/yr. The following emissions units vent to the EFDC baghouse: F001 (cooling), F002 (mold making, pouring, cooling), F003 (cooling), F007, P005, P013 (cooling).
- 2.b The induction furnace collection hood shall have a collection efficiency sufficient to minimize or eliminate visible emissions of fugitive dust at the point of capture to the extent possible with good engineering design.

## **2. Additional Terms and Conditions (continued)**

- 2.c** This facility is located in Scioto County which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions are exempt from the visible particulate emission limitation and the fugitive dust control requirements established in OAC rule 3745-17-07 and OAC rule 3745-17-08, respectively.

## **II. Operational Restrictions**

1. The pressure drop across the EFDC baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
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 and for any visible fugitive particulate emissions from the egress points of the building 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. the total duration of any visible emission incident; and
  - c. any corrective actions taken to eliminate the visible emissions.

## **IV. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.
3. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit, (b) identify all days during which any visible fugitive particulate emissions were observed from the egress points of the building serving this emissions unit, and (c) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Portsmouth Local Air Agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

## **V. Testing Requirements**

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

- 1.a** Emission Limitation:  
Controlled particulate emissions from this emissions unit shall not exceed 0.30 lb/hr.

**Applicable Compliance Method:**

Compliance with this emission limitation shall be determined through emission tests performed in accordance with the procedures specified in section A.V.2.

**V. Testing Requirements (continued)**

**1.b** Emission Limitation:

Controlled particulate emissions from this emissions unit shall not exceed 1.31 tons/yr.

Applicable Compliance Method:

Compliance with this emission limitation can be assumed provided that the permittee demonstrates compliance with the lb/hr particulate emission limitation.

**1.c** Emission Limitation:

Fugitive particulate emissions from this emissions unit shall not exceed 2.07 tons/yr.

Applicable Compliance Method:

This emission limitation was established by multiplying the maximum production rate of 25 tons/hour by the particulate emission factor of .9 lb/ton (AP-42, Table 12.10-3), times 0.15 (15% fugitive emissions, engineering judgement), times 0.10 (10% building capture, engineering judgement), times 8760 hours/year, and then dividing by 2000 lbs/ton.

Compliance with this emission limitation shall be based upon the absence of any visible fugitive particulate emissions from the egress points of the building serving this emissions unit.

**1.d** Emission Limitation:

There shall be no visible particulate emissions from this emissions unit.

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 22 and the procedures required in OAC rule 3745-17-03(B)(4).

**1.e** Emission Limitation:

Total particulate emissions from all of the emissions units vented to the EFDC baghouse shall not exceed 0.015 grain/dscf.

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

**1.f** Emission Limitation:

Total particulate emissions from all of the emissions units vented to the EFDC baghouse shall not exceed 8.49 lbs/hr.

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

**1.g** Emission Limitation:

Total particulate emissions from all of the emissions units vented to the EFDC baghouse shall not exceed 37.16 tons/yr.

Applicable Compliance Method:

Compliance with this emission limitation can be assumed provided that the permittee demonstrates compliance with the lb/hr particulate emission limitation.

## V. Testing Requirements (continued)

2. The following emissions units vent to the EFDC baghouse: F001 (cooling), F002 (mold making, pouring, cooling), F003 (cooling), F007, P005, P013 (cooling).

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitations specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the EFDC baghouse.
- c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted at the EFDC baghouse outlet with one of the cupolas operating at or near the maximum melt rate and all emissions units venting to the EFDC baghouse operating at rates which support the maximum cupola melt rate.
- e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the EFDC baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the EFDC baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## 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:** West Cooling Drum (P002)  
**Activity Description:** Continuous Rotary Cooling Drum

**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>
west cooling drum: continuous rotary cooling drum controlled with the West Dust Collection (WDC) baghouse	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)	See section A.I.2.a below.  Particulate emissions shall not exceed 8.0 lbs/hr (based on Figure II of OAC rule 3745-17-11).

**2. Additional Terms and Conditions**

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

**II. Operational Restrictions**

1. The pressure drop across the WDC baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

**IV. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

**V. Testing Requirements**

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of the terms and conditions shall be determined in accordance with the following methods:

## V. Testing Requirements (continued)

- 1.a** Emission Limitation:  
20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).

- 1.b** Emission Limitation:  
Particulate emissions shall not exceed 8.0 lbs/hr (based on Figure II of OAC rule 3745-17-11).

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

- 2.** The following emissions units vent to the WDC baghouse: F001 (pouring, shakeout), F002 (shakeout), F003 (pouring, shakeout), P002, P013 (pouring, shakeout), P019.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitation specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the WDC baghouse.
- c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted at the WDC baghouse outlet with one of the cupolas operating at or near the maximum melt rate and all emissions units venting to the WDC baghouse operating at rates which support the maximum cupola melt rate.
- e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the WDC baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the WDC baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

Facility Name: **OSCO Industries - Portsmouth Division**  
Facility ID: **07-73-01-0001**  
Emissions Unit: **West Cooling Drum (P002)**

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

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

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

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

None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

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

**Emissions Unit ID:** Wheelabrator #1 (P004)  
**Activity Description:** Shotblaster, Casting Cleaning

#### 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>
Wheelabrator #1: shotblaster, casting cleaning controlled with the cleaning room (CR) baghouse	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)	See section A.I.2.a below.  Particulate emissions shall not exceed 10 lbs/hr.  See section A.I.2.b below.

##### 2. Additional Terms and Conditions

- Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, based on Table I of OAC rule 3745-17-11, the allowable particulate emission limitation is greater than 10 lbs/hr. Therefore, to ensure that Figure II will not be applicable, the particulate emissions are limited to less than 10 lbs/hr.

##### II. Operational Restrictions

- The pressure drop across the CR baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

- The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

##### IV. Reporting Requirements

- The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
- These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

## V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:  
20% opacity as a 6-minute average

Applicable Compliance Limitation:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:  
Particulate emissions shall not exceed 10 lbs/hr.

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

2. The following emissions units vent to the CR baghouse: F004, P004, P014, P015, P016, P018.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitation specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the CR baghouse.

c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted at the CR baghouse outlet(s) with all of the emissions units which vent to the CR baghouse operating at or near maximum rates.

e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the CR baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the CR baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

Facility Name: **OSCO Industries - Portsmouth Division**

Facility ID: **07-73-01-0001**

Emissions Unit: **Wheelabrator #1 (P004)**

## **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:** East Cooling Drum (P005)  
**Activity Description:** Continuous Rotary Cooling Drum

### 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>
east cooling drum: continuous rotary cooling drum controlled with the East Foundry Dust Collection (EFDC) baghouse	OAC rule 3745-17-07(A)	See section A.I.2.a below.
	OAC rule 3745-17-11(B)	Particulate emissions shall not exceed 6.2 lbs/hr (based on Figure II of OAC rule 3745-17-11).

#### 2. Additional Terms and Conditions

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

#### II. Operational Restrictions

1. The pressure drop across the EFDC baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

#### IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

#### V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

## V. Testing Requirements (continued)

- 1.a** Emission Limitation:  
20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).

- 1.b** Emission Limitation:  
Particulate emissions shall not exceed 6.2 lbs/hr (based on Figure II of OAC rule 3745-17-11).

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

- 2.** The following emissions units vent to the EFDC baghouse: F001 (cooling), F002 (mold making, pouring, cooling), F003 (cooling), F007, P005, P013 (cooling).

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitation specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the EFDC baghouse.
- c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted at the EFDC baghouse outlet with one of the cupolas operating at or near the maximum melt rate and all emissions units venting to the EFDC baghouse operating at rates which support the maximum cupola melt rate.
- e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the EFDC baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the EFDC baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

Facility Name: **OSCO Industries - Portsmouth Division**  
Facility ID: **07-73-01-0001**  
Emissions Unit: **East Cooling Drum (P005)**

## **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:** Disa #2 Molding, Pouring, Cooling, and Shakeout System (P013)  
**Activity Description:** Mold Making, Pouring, Cooling, and Shakeout System

#### 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>
Disamatic #2: mold making, pouring, cooling, and shakeout system controlled with the East Foundry Dust Collection (EFDC) baghouse and the West Dust Collection (WDC) baghouse	OAC rule 3745-17-07(A)	See section A.I.2.a below.
	OAC rule 3745-17-11(B)	Total particulate emissions from emissions units F001 and P013 combined (based on Figure II of OAC rule 3745-17-11) shall not exceed 10.2 lbs/hr.
	OAC rule 3745-31-05(A)(3) (PTI 07-217)	Particulate emissions from this emissions unit shall not exceed 0.69 lb/hr and 3.0 tons/yr.  See section A.I.2.c below.

##### 2. Additional Terms and Conditions

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- 2.b This facility is located in Scioto County which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions are exempt from the visible particulate emission limitation and the fugitive dust control requirements established in OAC rules 3745-17-07 and 3745-17-08, respectively.
- 2.c The total particulate emissions from the WDC baghouse shall not exceed 50 lbs/hr for all of the emissions units vented to the WDC baghouse. The following emissions units vent to the WDC baghouse: F001 (pouring, shakeout), F002 (shakeout), F003 (pouring, shakeout), P002, P013 (pouring, shakeout), P019.

#### II. Operational Restrictions

1. The pressure drop across the WDC and the EFDC baghouses shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

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

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

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

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - 1.a Emission Limitation:  
20% opacity as a 6-minute average  
  
Applicable Compliance Method:  
If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-07-03(B)(1).
  - 1.b Emission Limitation:  
The total particulate emissions from the WDC baghouse shall not exceed 50 lbs/hr for all of the emissions units vented to the WDC baghouse.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2.
  - 1.c Emission Limitation:  
Total particulate emissions from emissions units F001 and P013 combined (based on Figure II of OAC rule 3745-17-11) shall not exceed 10.2 lbs/hr.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2.
  - 1.d Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 0.69 lb/hr.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2..
  - 1.e Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 3.0 tons/yr.  
  
Applicable Compliance Method:  
Compliance with this emission limitation can be assumed provided that the permittee demonstrates compliance with the lb/hr particulate emission limitation.

## V. Testing Requirements (continued)

2. The following emissions units vent to the EFDC baghouse: F001 (cooling), F002 (mold making, pouring, cooling), F003 (cooling), F007, P005, P013 (cooling). The following emissions units vent to the WDC baghouse: F001 (pouring, shakeout), F002 (shakeout), F003 (pouring, shakeout), P002, P013 (pouring, shakeout), P019.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitations specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the WDC and EFDC baghouses.
- c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted simultaneously at the WDC and EFDC baghouse outlets with one of the cupolas operating at or near the maximum melt rate and all emissions units venting to the WDC and EFDC baghouses operating at rates which support the maximum cupola melt rate.
- e. Since multiple emissions units vent to common baghouses and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the WDC and EFDC baghouses will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the WDC and EFDC baghouses for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## 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:** Wheelabrator #5 (P014)  
**Activity Description:** Shotblaster, Casting Cleaning

#### 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>
Wheelabrator #5: shotblaster, casting cleaning controlled with the cleaning room (CR) baghouse	OAC rule 3745-17-07(A)	See section A.I.2.a below.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05 (PTI 07-275)	Particulate emissions from this emissions unit shall not exceed 0.13 lb/hr and 0.55 ton/yr.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
		See section A.I.2.b below.

##### 2. Additional Terms and Conditions

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- 2.b The total particulate emissions from the CR baghouse shall not exceed 25.7 lbs/hr. The following emissions units are vented to the CR baghouse: F004, P004, P014, P015, P016, P018.

#### II. Operational Restrictions

1. The pressure drop across the CR baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

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

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

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

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - 1.a Emission Limitation:  
20% opacity as a 6-minute average  
  
Applicable Compliance Method:  
If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).
  - 1.b Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 0.13 lb/hr.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2.
  - 1.c Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 0.55 ton/yr.  
  
Applicable Compliance Method:  
Compliance with this emission limitation can be assumed provided that the permittee demonstrates compliance with the lb/hr particulate emission limitation.
  - 1.d Emission Limitation:  
The total particulate emissions from the CR baghouse shall not exceed 25.7 lbs/hr.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2.

## V. Testing Requirements (continued)

2. The following emissions units vent to the CR baghouse: F004, P004, P014, P015, P016, P018.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitation specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the CR baghouse.
- c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted at the CR baghouse outlet(s) with all of the emissions units which vent to the CR baghouse operating at or near maximum rates.
- e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the CR baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the CR baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## 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:** Wheelabrator #2 (P015)  
**Activity Description:** Shotblaster, Casting Cleaning

### 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>
Wheelabrator #2: shotblaster, casting cleaning controlled with the cleaning room (CR) baghouse	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)	See section A.I.2.a below.  Particulate emissions shall not exceed 10 lbs/hr.  See section A.I.2.b below.

#### 2. Additional Terms and Conditions

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- 2.b The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, based on Table I of OAC rule 3745-17-11, the allowable particulate emission limitation is greater than 10 lbs/hr. Therefore, to ensure that Figure II will not be applicable, the particulate emissions are limited to less than 10 lbs/hr.

### II. Operational Restrictions

1. The pressure drop across the CR baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

### IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

## V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:  
20% opacity as a 6-minute average

Applicable Compliance Limitation:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:  
Particulate emissions shall not exceed 10 lbs/hr.

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

2. The following emissions units vent to the CR baghouse: F004, P004, P014, P015, P016, P018.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitation specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the CR baghouse.

c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted at the CR baghouse outlet(s) with all of the emissions units which vent to the CR baghouse operating at or near maximum rates.

e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the CR baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the CR baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

Facility Name: **OSCO Industries - Portsmouth Division**  
Facility ID: **07-73-01-0001**  
Emissions Unit: **Wheelabrator #2 (P015)**

## **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:** Wheelabrator #4 (P016)  
**Activity Description:** Shotblaster, Casting Cleaning

**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>
Wheelabrator #4: shotblaster, casting cleaning controlled with the cleaning room (CR) baghouse	OAC rule 3745-17-07(A)	See section A.I.2.a below.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05 (PTI 07-334)	Particulate emissions from this emissions unit shall not exceed 0.03 lb/hr and 0.14 ton/yr.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
		See section A.I.2.b below.

**2. Additional Terms and Conditions**

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- 2.b The total particulate emissions from the CR baghouse shall not exceed 25.7 lbs/hr. The following emissions units are vented to the CR baghouse: F004, P004, P014, P015, P016, P018.

**II. Operational Restrictions**

1. The pressure drop across the CR baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

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

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

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

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - 1.a Emission Limitation:  
20% opacity as a 6-minute average  
  
Applicable Compliance Method:  
If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).
  - 1.b Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 0.03 lb/hr.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2.
  - 1.c Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 0.14 ton/yr.  
  
Applicable Compliance Method:  
Compliance with this emission limitation can be assumed provided that the permittee demonstrates compliance with the lb/hr particulate emission limitation.
  - 1.d Emission Limitation:  
The total particulate emissions from the CR baghouse shall not exceed 25.7 lbs/hr.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2.

## V. Testing Requirements (continued)

2. The following emissions units vent to the CR baghouse: F004, P004, P014, P015, P016, P018.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitations specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the CR baghouse.
- c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted at the CR baghouse outlet(s) with all of the emissions units which vent to the CR baghouse operating at or near maximum rates.
- e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the CR baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the CR baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## 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:** WHEELABRATOR #6 (P018)

**Activity Description:** 34" cubic foot Shot Blaster used for cleaning the castings

#### 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>
Wheelabrator #6: shotblaster, casting cleaning controlled with the cleaning room (CR) baghouse	OAC rule 3745-17-07(A)	See section A.I.2.a below.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05 (PTI 07-386)	Particulate emissions from this emissions unit shall not exceed 0.06 lb/hr and 0.26 ton/yr.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
		See section A.I.2.b below.

##### 2. Additional Terms and Conditions

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- 2.b The total particulate emissions from the CR baghouse shall not exceed 25.7 lbs/hr. The following emissions units are vented to the CR baghouse: F004, P004, P014, P015, P016, P018.

#### II. Operational Restrictions

1. The pressure drop across the CR baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

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

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

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

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - 1.a Emission Limitation:  
20% opacity as a 6-minute average  
  
Applicable Compliance Method:  
If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).
  - 1.b Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 0.06 lb/hr.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2.
  - 1.c Emission Limitation:  
Particulate emissions from this emissions unit shall not exceed 0.26 ton/yr.  
  
Applicable Compliance Method:  
Compliance with this emission limitation can be assumed provided that the permittee demonstrates compliance with the lb/hr particulate emission limitation.
  - 1.d Emission Limitation:  
The total particulate emissions from the CR baghouse shall not exceed 25.7 lbs/hr.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2.

## V. Testing Requirements (continued)

2. The following emissions units vent to the CR baghouse: F004, P004, P014, P015, P016, P018.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitations specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the CR baghouse.
- c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted at the CR baghouse outlet(s) with all of the emissions units which vent to the CR baghouse operating at or near maximum rates.
- e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the CR baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the CR baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## 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:** West Sand System (P019)  
**Activity Description:** Prepared Molding Sand

### 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>
west sand system: prepared molding sand controlled with the West Dust Collection (WDC) baghouse	OAC rule 3745-17-07(A)  OAC rule 3745-17-11(B)	See section A.I.2.a below.  8.0 lbs/hr of particulate emissions (based on Figure II of OAC rule 3745-17-11)

#### 2. Additional Terms and Conditions

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

#### II. Operational Restrictions

1. The pressure drop across the WDC baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

#### IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

#### V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

## V. Testing Requirements (continued)

- 1.a** Emission Limitation:  
20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).

- 1.b** Emission Limitation:  
8.0 lbs/hr of particulate emissions

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

- 2.** The following emissions units vent to the WDC baghouse: F001 (pouring, shakeout), F002 (shakeout), F003 (pouring, shakeout), P002, P013 (pouring, shakeout), P019.

The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable particulate mass emission limitation specified in section A.I.1 and the allowable particulate mass emission limitations for the other emissions units vented to the WDC baghouse.
- c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitations: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted at the WDC baghouse outlet with one of the cupolas operating at or near the maximum melt rate and all emissions units venting to the WDC baghouse operating at rates which support the maximum cupola melt rate.
- e. Since multiple emissions units vent to a common baghouse and it is not technically feasible to isolate specific emissions units for the purpose of emission testing, the summation of the total particulate emission rates from the WDC baghouse will be compared against the summation of the allowable particulate emission limitations for all of the emissions units venting to the WDC baghouse for the purpose of demonstrating compliance.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

Facility Name: **OSCO Industries - Portsmouth Division**

Facility ID: **07-73-01-0001**

Emissions Unit: **West Sand System (P019)**

## **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:** WEST CUPOLA (P906)

**Activity Description:** Cupola; melting of metallic materials to form molten gray iron castings

**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>
west iron cupola: melting of metallic materials to form molten gray iron castings controlled with a venturi scrubber	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-18-06	See A.I.2.c below.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 07-380)	Particulate emissions shall not exceed 20.3 lbs/hr and 44.45 tons/yr.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

**2. Additional Terms and Conditions**

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- 2.b This facility is located in Scioto County which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, this fugitive dust emissions unit is exempt from the visible particulate emission limitation and the fugitive dust control requirements established in OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B), respectively.
- 2.c This emissions unit has a rated capacity less than 1,000 pounds per hour process weight input. Therefore, this emissions unit is exempt from the emission limitation established in OAC rule 3745-18-06(E).

## II. Operational Restrictions

1. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 28 inches of water at all times while the emissions unit is in operation.

The scrubber water flow rate shall be continuously maintained at a value of not less than 125 gallons per minute at all times while the emissions unit is in operation.

2. The permittee shall operate no more than one cupola at any time.

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
2. The permittee shall collect and record the following information each day:
  - a. the pressure drop across the scrubber, in inches of water, once per shift;
  - b. the scrubber water flow rate, in gallons per minute, once per shift;
  - c. the total operating hours for this emissions unit; and
  - d. the downtime for the capture (collection) system, control device, monitoring equipment when the associated emissions unit was in operation.
3. The permittee shall maintain monthly records of all periods of time during which the west cupola (P906) and the east cupola (P907) are in operation at the same time.

## IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. the static pressure drop across the scrubber; and
  - b. the scrubber water flow rate.

The deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

2. The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
3. The permittee shall notify the Director (the Portsmouth Local Air Agency) in writing of any monthly record showing any periods of time during which the west cupola (P906) and the east cupola (P907) were in operation at the same time. The notification shall include a copy of such record and shall be set to the Director (the Portsmouth Local Air Agency) within 30 days following the end of the calendar month.
4. The permittee shall also submit annual reports which specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

## V. Testing Requirements

1. Compliance with emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

## V. Testing Requirements (continued)

- 1.a** Emission Limitation:  
20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).

- 1.b** Emission Limitation:  
Particulate emissions shall not exceed 20.3 lbs/hr.

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

- 1.c** Emission Limitation:  
Particulate emissions shall not exceed 44.45 tons/yr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the baghouse particulate emission rate (lb/hr), as measured during the most recent stack test, times the actual annual hours of operation, and dividing by 2,000 lbs/ton.

- 2.** The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission limitation for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable particulate mass emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U. S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Portsmouth Local Air Agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## 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:** East Cupola (P907)

**Activity Description:** Cupola; melting of metallic materials to form molten iron for making gray iron castings

#### 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>
east iron cupola: melting of metallic materials to form molten gray iron castings controlled with a venturi scrubber	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-18-06	See A.I.2.c below.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 07-380)	Particulate emissions shall not exceed 20.3 lbs/hr and 44.45 tons/yr.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

##### 2. Additional Terms and Conditions

- 2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
- 2.b This facility is located in Scioto County which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, this fugitive dust emissions unit is exempt from the visible particulate emission limitation and the fugitive dust control requirements established in OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B), respectively.
- 2.c This emissions unit has a rated capacity less than 1,000 pounds per hour process weight input. Therefore, this emissions unit is exempt from the emission limitation established in OAC rule 3745-18-06(E).

## II. Operational Restrictions

1. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 28 inches of water at all times while the emissions unit is in operation.

The scrubber water flow rate shall be continuously maintained at a value of not less than 125 gallons per minute at all times while the emissions unit is in operation.

2. The permittee shall operate no more than one cupola at any time.

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
2. The permittee shall collect and record the following information each day:
  - a. the pressure drop across the scrubber, in inches of water, once per shift;
  - b. the scrubber water flow rate, in gallons per minute, once per shift;
  - c. the total operating hours for this emissions unit; and
  - d. the downtime for the capture (collection) system, control device, monitoring equipment when the associated emissions unit was in operation.
3. The permittee shall maintain monthly records of all periods of time during which the west cupola (P906) and the east cupola (P907) are in operation at the same time.

## IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. the static pressure drop across the scrubber; and
  - b. the scrubber water flow rate.

The deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

2. The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
3. The permittee shall notify the Director (the Portsmouth Local Air Agency) in writing of any monthly record showing any periods of time during which the west cupola (P906) and the east cupola (P907) were in operation at the same time. The notification shall include a copy of such record and shall be set to the Director (the Portsmouth Local Air Agency) within 30 days following the end of the calendar month.
4. The permittee shall also submit annual reports which specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

## V. Testing Requirements

1. Compliance with emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

## V. Testing Requirements (continued)

- 1.a** Emission Limitation:  
20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures required in OAC rule 3745-17-03(B)(1).

- 1.b** Emission Limitation:  
Particulate emissions shall not exceed 20.3 lbs/hr.

Applicable Compliance Method:

Compliance shall be determined through emission testing performing in accordance with section A.V.2.

- 1.c** Emission Limitation:  
Particulate emissions shall not exceed 44.45 tons/yr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the baghouse particulate emission rate (lb/hr), as measured during the most recent stack test, times the actual annual hours of operation, and dividing by 2,000 lbs/ton.

- 2.** The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission limitation for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable particulate mass emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U. S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Portsmouth Local Air Agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## 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:** East Sand System (Z002)  
**Activity Description:** Prepared Molding Sand

#### 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>
east sand system: molding sand muller and silo controlled with the East Sand System (ESS) baghouse	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 07-367)	Particulate emissions shall not exceed 0.015 gr/dscf.  There shall be no visible emissions from the ESS baghouse stack.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The pressure drop across the ESS baghouse shall be maintained within the range of 2 to 9 inches of water while the emissions unit is in operation.

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

- The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

### 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. the total duration of any visible emission incident; and
  - c. any corrective actions taken to eliminate the visible emissions.

### IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. These deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.
3. The permittee shall submit semiannual written reports which (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 eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Portsmouth Local Air Agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

### V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - 1.a Emission Limitation:  
Particulate emissions shall not exceed 0.015 gr/dscf.  
  
Applicable Compliance Method:  
Compliance shall be determined through emission testing performing in accordance with section A.V.2.
  - 1.b Emission Limitation:  
There shall be no visible emissions from the ESS baghouse stack.  
  
Applicable Compliance Method:  
If required, compliance shall be demonstrated in accordance with the requirements specified in 40 CFR Part 60, Appendix A, Method 22 and the methods and procedures required in OAC rule 3745-17-03(B)(4).
2. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:
  - a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission limitation for particulates.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable particulate mass emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U. S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Portsmouth Local Air Agency.

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

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth 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 Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth 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 Portsmouth Local Air Agency.

## **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:** Charge Handling (Z003)  
**Activity Description:** Transferring, Weighing, and Charging of Materials

**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>
charge handling: transferring, weighing, and charging of materials	none	none

**2. Additional Terms and Conditions**

- 2.a This facility is located in Scioto County which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, this fugitive dust emissions unit is exempt from the visible particulate emission limitations and the fugitive dust control requirements established in OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B), respectively.

**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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