



John R. Kasich, Governor  
 Mary Taylor, Lt. Governor  
 Craig W. Butler, Director

11/4/2015

Jeff Mount  
 Kenton Iron Products Vision Drive Facility  
 347 Vine Street  
 Kenton, OH 43326

Certified Mail

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0333010042  
 Permit Number: P0119632  
 Permit Type: Renewal  
 County: Hardin

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

**How to appeal this permit**

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
 77 South High Street, 17th Floor  
 Columbus, OH 43215

## **How to save money, reduce pollution and reduce energy consumption**

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: [www.ohioairquality.org/clean\\_air](http://www.ohioairquality.org/clean_air)

## **How to give us feedback on your permitting experience**

Please complete a survey at [www.epa.ohio.gov/survey.aspx](http://www.epa.ohio.gov/survey.aspx) and give us feedback on your permitting experience. We value your opinion.

## **How to get an electronic copy of your permit**

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc) by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael E. Hopkins, P.E.  
Assistant Chief, Permitting Section, DAPC

Cc: Ohio EPA-NWDO



**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
Kenton Iron Products Vision Drive Facility**

Facility ID:	0333010042
Permit Number:	P0119632
Permit Type:	Renewal
Issued:	11/4/2015
Effective:	11/4/2015
Expiration:	11/4/2020





**Division of Air Pollution Control**  
**Permit-to-Install and Operate**  
for  
Kenton Iron Products Vision Drive Facility

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**Final Permit-to-Install and Operate**  
Kenton Iron Products Vision Drive Facility  
**Permit Number:** P0119632  
**Facility ID:** 0333010042  
**Effective Date:** 11/4/2015

## Authorization

Facility ID: 0333010042  
Application Number(s): A0054437, A0054441, A0054463, A0054464, A0054465  
Permit Number: P0119632  
Permit Description: PTIO renewal permit that includes painting, mold/core wash, mold release, sand storage silo and sand handling system operations.  
Permit Type: Renewal  
Permit Fee: \$0.00  
Issue Date: 11/4/2015  
Effective Date: 11/4/2015  
Expiration Date: 11/4/2020  
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Kenton Iron Products Vision Drive Facility  
13917 Vision Drive  
Kenton, OH 43326

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office  
347 North Dunbridge Road  
Bowling Green, OH 43402  
(419)352-8461

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

  
Craig W. Butler  
Director



## Authorization (continued)

Permit Number: P0119632

Permit Description: PTIO renewal permit that includes painting, mold/core wash, mold release, sand storage silo and sand handling system operations.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

**Emissions Unit ID:** F001  
 Company Equipment ID: Induction Furnaces  
 Superseded Permit Number: P0118011  
 General Permit Category and Type: Not Applicable

**Emissions Unit ID:** F007  
 Company Equipment ID: Cutting/Grinding  
 Superseded Permit Number: P0118011  
 General Permit Category and Type: Not Applicable

**Emissions Unit ID:** K002  
 Company Equipment ID: Painting  
 Superseded Permit Number: P0118586  
 General Permit Category and Type: Not Applicable

**Emissions Unit ID:** P001  
 Company Equipment ID: Mold/Core Wash  
 Superseded Permit Number: P0105338  
 General Permit Category and Type: Not Applicable

**Emissions Unit ID:** P002  
 Company Equipment ID: Mold Release  
 Superseded Permit Number: P0105271  
 General Permit Category and Type: Not Applicable

**Emissions Unit ID:** P003  
 Company Equipment ID: Sand Storage Silo  
 Superseded Permit Number: P0116490  
 General Permit Category and Type: Not Applicable

**Emissions Unit ID:** P004  
 Company Equipment ID: Sand Handling System  
 Superseded Permit Number: P0105338  
 General Permit Category and Type: Not Applicable

**Group Name: Group A**

<b>Emissions Unit ID:</b>	<b>F002</b>
Company Equipment ID:	Casting/Pouring
Superseded Permit Number:	P0118011
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>F003</b>
Company Equipment ID:	Casting Shakeout
Superseded Permit Number:	P0118011
General Permit Category and Type:	Not Applicable



**Final Permit-to-Install and Operate**  
Kenton Iron Products Vision Drive Facility  
**Permit Number:** P0119632  
**Facility ID:** 0333010042  
**Effective Date:** 11/4/2015

## **A. Standard Terms and Conditions**

**1. What does this permit-to-install and operate ("PTIO") allow me to do?**

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

**2. Who is responsible for complying with this permit?**

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

**3. What records must I keep under this permit?**

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

**4. What are my permit fees and when do I pay them?**

There are two fees associated with permitted air contaminant sources in Ohio:

PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

**5. When does my PTIO expire, and when do I need to submit my renewal application?**

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

**6. What happens to this permit if my project is delayed or I do not install or modify my source?**

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

**7. What reports must I submit under this permit?**

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

**8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?**

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions of this permit will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

**9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?**

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

**10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?**

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the [DO/LAA] in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

**11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?**

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

**12. What happens if one or more emissions units operated under this permit is/are shut down permanently?**

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

**13. Can I transfer this permit to a new owner or operator?**

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

**14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?**

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

**15. What happens if a portion of this permit is determined to be invalid?**

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



**Final Permit-to-Install and Operate**  
Kenton Iron Products Vision Drive Facility  
**Permit Number:** P0119632  
**Facility ID:** 0333010042  
**Effective Date:** 11/4/2015

## **B. Facility-Wide Terms and Conditions**

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
  - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
    - (1) None.
  - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
    - (1) None.
2. All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the District Office or Local Air Agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.
3. The Ohio EPA has determined that this facility may be applicable to the requirements of an area source MACT/GACT rule that the Ohio EPA does not have the delegated authority to implement. Although Ohio EPA has determined that an area source MACT (also known as the GACT) may apply, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised that all requirements associated with these rules are in effect and are enforceable by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>

The area source MACT/GACT rule that may be applicable is 40 CFR, Part 63, Subpart ZZZZZ (Area Sources Iron and Steel Foundries).



**Final Permit-to-Install and Operate**  
Kenton Iron Products Vision Drive Facility  
**Permit Number:** P0119632  
**Facility ID:** 0333010042  
**Effective Date:** 11/4/2015

## **C. Emissions Unit Terms and Conditions**



**1. F001, Induction Furnaces**

**Operations, Property and/or Equipment Description:**

Two Inductotherm 1.875 ton induction furnaces for gray and ductile iron: charging, melting, tapping and inoculation

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	ORC 3704.03(T)	See b)(2)a.
b.	OAC rule 3745-17-07(B)	See b)(2)b.
c.	OAC rule 3745-17-08(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements under ORC 3704.03(T) have been determined to be a metal melt throughput restriction of 10,000 tons/rolling, 12-month period and a metal inoculated throughput restriction of 7,018 tons/rolling, 12-month period.

b. This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

c. This facility is not located within an "Appendix A" area as defined in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

- c) Operational Restrictions
  - (1) None.
- d) Monitoring and/or Recordkeeping Requirements
  - (1) The permittee shall maintain monthly records of the following information:
    - a. the total metal melted, in tons;
    - b. the total metal inoculated, in tons;
    - c. the rolling, 12-month summation of the total metal melted, in tons; and
    - d. the rolling 12-month summation of the total metal inoculated, in tons.
- e) Reporting Requirements
  - (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- f) Testing Requirements
  - (1) None.
- g) Miscellaneous Requirements
  - (1) None.

**2. F007, Cutting/Grinding**

**Operations, Property and/or Equipment Description:**

Finishing operations - cutting and grinding

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) June 30, 2008	See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) June 30, 2008	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05 (A)(3)(a) do not apply to the PM <sub>10</sub> emissions since the potential to emit is less than 10 tons per year.  See b)(2)b.
c.	OAC rule 3745-17-07(B)	See b)(2)c.
d.	OAC rule 3745-17-08(B)	See b)(2)d.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirement under OAC rule 3745-31-05(A)(3), as effective 6/30/2008, has been determined to be a metal melt throughput restriction of 10,000 tons/rolling, 12-month period.



- b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio State Implementation Plan (SIP).
  - c. This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
  - d. This facility is not located within an "Appendix A" area as defined in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain monthly records of the following information:
    - a. the total metal melted, in tons; and
    - b. the rolling, 12-month summation of the total metal melted, in tons.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- f) Testing Requirements
- (1) None.
- g) Miscellaneous Requirements
- (1) None.

**3. K002, Painting**

**Operations, Property and/or Equipment Description:**

Painting metal casts

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
  - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
    - a. b)(1)f. and d)(3)
  - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
    - a. None.
- b) Applicable Emissions Limitations and/or Control Requirements
  - (1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(F)	Volatile organic compound (VOC) emissions shall not exceed 1.68 tons per rolling, 12-month period from primer, thinner and cleanup materials.  See b)(2)a.
b.	OAC rule 3745-31-05(A)(3), as effective 11/30/2001	See b)(2)b.
c.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/2006	See b)(2)c.
d.	OAC rule 3745-21-09(U)(2)(e)(iii)	The permittee shall not use more than 10 gallons of coating material per day for the coating of miscellaneous metal parts.
e.	OAC rule 3745-17-11(C)	See b)(2)d.
f.	OAC rule 3745-114-01 ORC 3704.03(F)	See d)(3)

(2) Additional Terms and Conditions

- a. Permit to Install and Operate (PTIO) P0119632 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of establishing legally and practically enforceable emission limitations:

- i. the VOC input limit outlined in c)(2); and
- ii. the VOC emissions shall not exceed 1.68 tons based upon a rolling, 12-month summation of the emissions.

- b. The permittee has satisfied the BAT requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective 11/30/01, in this permit for VOC. The requirements of this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(F), therefore, the permittee has satisfied the BAT requirements pursuant to OAC rule 3745-31-05(A)(3), as effective 11/30/01, in this permit.

On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (SB 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than 10 tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, these emission limitations/control measures no longer apply.

It should be noted that the emission limitation established pursuant to OAC rule 3745-31-05(F) will remain applicable after the above SIP revisions are approved by the U.S. EPA.

- c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the SIP.

BAT requirements under OAC rule 3745-31-05(A)(3), as effective December 1, 2006, do not apply to the VOC emissions since the potential to emit is less than 10 tons per year, taking into consideration the voluntary restrictions under OAC rule 3745-31-05(F).

- d. This emissions unit is exempt from the requirements of OAC rule 3745-17-11(C) pursuant to the rule exemption specified in OAC rule 3745-17-11(A)(1)(i) for surface coating operations using less than 5 gallons of coating per day, provided the permittee maintains coating usage records, coating purchase records, and/or production records that clearly demonstrate the actual coating usage is less than five gallons per day.

c) Operational Restrictions

- (1) The total VOC input from coatings and cleanup materials employed in this emissions unit shall not exceed 1.68 tons based upon a rolling 12-month summation. Compliance with this limitation shall be determined by multiplying the number of gallons of each coating and cleanup material employed per month by the VOC content of each coating and cleanup material, in pounds per gallon. The VOC input of coatings and cleanup materials shall be assumed to be 100 percent of the VOC content of the coatings and cleanup materials employed, and, as such, is equivalent to the VOC emission rate.

This is an existing emissions unit and the company has existing records to verify this limitation and therefore does not need to be limited during the first year operation on a monthly basis.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information each day for this emissions unit:
  - a. the name and identification number of each coating material (i.e. primer, thinner, etc.) employed;
  - b. the volume, in gallons, of each coating material (i.e. primer, thinner, etc.) and clean-up material employed; and
  - c. the total volume, in gallons, of all of the coating materials (i.e. primer, thinner, etc.) employed.
- (2) The permittee shall maintain monthly records of the VOC emissions from the primer, thinner and clean-up material; and the rolling 12-month summation of VOC emissions.
- (3) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires a permittee to apply for and obtain a new or modified PTIO prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new PTIO.

e) Reporting Requirements

- (1) The permittee shall notify the Director (the Ohio EPA Northwest District Office) in writing of any daily record showing that this emissions unit employs more than the 10 gallons maximum daily coating usage limit for coating miscellaneous metal parts and products. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northwest District Office) within 45 days after the exceedance occurs.

- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Volatile organic compound (VOC) emissions shall not exceed 1.68 tons per rolling, 12-month period, from primer, thinner and clean-up combined.

Applicable Compliance Method:

Compliance shall be demonstrated based on the recordkeeping requirements specified in d)(2).

b. Emission Limitation:

The permittee shall not use more than 10 gallons of coating material per day for the coating of miscellaneous metal parts.

Applicable Compliance Method:

Compliance shall be demonstrated based on the recordkeeping requirements specified in d)(1).

g) Miscellaneous Requirements

- (1) None.



**4. P001, Mold/Core Wash**

**Operations, Property and/or Equipment Description:**

Mold and core wash operations

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Volatile organic compound (VOC) emissions shall not exceed 9.77 lbs/hour and 39.77 tons/year  See b)(2)a.
b.	OAC rule 3745-21-07(M)	See b)(2)b.

(2) Additional Terms and Conditions

a. The “Best Available Technology” (BAT) for this emissions unit has been determined to be compliance with the terms and conditions of this permit.

b. This emissions unit is not subject to the requirements of the rule because it does not meet all of the conditions outlined in OAC rule 3745-21-07(M)(3)(a).

c) Operational Restrictions

- (1) The maximum annual core wash material usage rate shall not exceed 56,647 gallons.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information each month for all core wash materials employed in this emissions unit:
- a. the company name and identification of each core wash material employed;
  - b. the volume, in gallons, of each core wash material employed;
  - c. the VOC content of each core wash material employed, in pounds per gallon, as applied;
  - d. the VOC emission rate for each core wash material employed [d)(1)b. x d)(1)c.], in pounds.
  - e. the total VOC emission rate from all core wash coatings employed [summation of d)(1)d.], in pounds; and
  - f. the annual, year-to-date VOC emissions from all core wash coatings employed [summation of d)(1)e. for each calendar month to date from January to December]

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation  
VOC emissions shall not exceed 9.77 lbs/hour

Applicable Compliance Method

The hourly emission limitation represents the potential to emit\* of the emissions unit. Therefore, no hourly recordkeeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

\* The potential to emit is based on an hourly core wash usage rate of 6.70 gallons/hour, a maximum VOC content of 4.86 lbs/gallon, and a light-off destruction efficiency of 70%.



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Kenton Iron Products Vision Drive Facility  
**Permit Number:** P0119632  
**Facility ID:** 0333010042  
**Effective Date:** 11/4/2015

b. Emission Limitation  
VOC emissions shall not exceed 39.77 tons/year

Applicable Compliance Method

The permittee shall demonstrate compliance with this emission limitation based upon the recordkeeping in d)(1).

g) Miscellaneous Requirements

(1) None.

**5. P002, Mold Release**

**Operations, Property and/or Equipment Description:**

Mold release operations

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a)	Volatile organic compound (VOC) emissions shall not exceed 0.84 lb/hr and 2.51 tons/yr  See b)(2)a.
b.	OAC rule 3745-21-07(M)	See b)(2)b.

(2) Additional Terms and Conditions

a. The 0.84 lb/hr emission limitation was written to reflect the potential to emit of this emissions unit. Therefore, additional monitoring, recordkeeping, and reporting requirements are not necessary to demonstrate compliance with this emission limitation.

This emissions unit is not subject to the requirements of the rule because it does not meet all of the conditions outlined in OAC rule 3745-21-07(M)(3)(a).

c) Operational Restrictions

- (1) The maximum usage of release material from this emissions unit shall not exceed 900 gallons per year.
- (2) The maximum release material VOC content shall not exceed 5.58 pounds VOC per pound of release material by weight, excluding water and exempt solvents.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the following information for this emissions unit:
  - a. the company identification of each release material used;
  - b. the organic compound content of each release material, in pounds VOC per pound of release material;
  - c. the amount, in pounds, of each release material used on a monthly basis;
  - d. the amount, in pounds, of each release material used on an annual basis;
  - e. the annual VOC emission rate for each release material [d)(2)b. times d)(2)d.], in tons; and
  - f. the annual VOC emission rate for all release materials [summation of d)(2)e.], in tons.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:  
VOC emissions shall not exceed 0.84 lb/hr

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit\* of the emissions unit. Therefore, no hourly recordkeeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

\* The potential to emit is based on a maximum release material usage rate of 0.15 gal/hr and the maximum VOC content of 5.58 lb VOC/lb release material.



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Kenton Iron Products Vision Drive Facility  
**Permit Number:** P0119632  
**Facility ID:** 0333010042  
**Effective Date:** 11/4/2015

b. Emission Limitation:  
VOC emissions shall not exceed 2.51 tons/yr

Applicable Compliance Method:  
The permittee shall demonstrate compliance with this emission limitation based upon the recordkeeping in d)(1).

g) Miscellaneous Requirements

(1) None.

**6. P003, Sand Storage Silo**

**Operations, Property and/or Equipment Description:**

New sand storage silo with pneumatic conveyance

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	1.13 tons of particulate matter less than 10 microns in size (PM <sub>10</sub> )/yr.  0.03 grain PM <sub>10</sub> /dry standard cubic foot (dscf)  Visible particulate emissions shall not exceed 5% opacity as a six-minute average.  See b)(2)d.
b.	OAC rule 3745-17-07(B)	Visible fugitive particulate emissions shall not exceed 20% opacity as a three-minute average
c.	OAC rule 3745-17-08(B)	See b)(2)b.
d.	OAC rule 3745-17-07(A)	See b)(2)c.
e.	OAC rule 3745-17-11(B)	See b)(2)c.

(2) Additional Terms and Conditions

- a. The “Best Available Technology” (BAT) for this emissions unit has been determined to be use of a filter on the system bin vent that achieves a maximum outlet concentration of 0.03 grain PM<sub>10</sub>/dscf.
- b. The requirements of this rule are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 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).
- d. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B).

c) Operational Restrictions

- (1) The maximum annual material throughput (through the loading spout) for this emissions unit shall not exceed 9630 tons.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack and for any visible emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) 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 location and color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and,
  - e. any corrective actions taken to eliminate the abnormal visible emissions.

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

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions above:
  - a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit;
  - b. all days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and
  - c. any corrective actions taken to minimize or eliminate the visible particulate emissions from the stack and/or visible emissions of fugitive dust.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
0.03 grain PM<sub>10</sub>/dscf  
  
Applicable Compliance Method:  
If required, the permittee shall demonstrate compliance with the 0.03 gr PM<sub>10</sub>/dscf by testing in accordance with Methods 201/201A and 202 of 40 CFR, Part 51, Appendix M. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.
  - b. Emission Limitation:  
1.13 tons of PM<sub>10</sub>/year  
  
Applicable Compliance Method:  
The annual emission limitation was established by multiplying the maximum outlet concentration of 0.03 grain of PM<sub>10</sub>/dscf by a maximum volumetric flow rate of 1000 acfm, 60 minutes/hour, 1 pound/7000 grains, and a maximum operating schedule of 8760 hours/year, then dividing by 2000 lbs. Therefore, provided compliance is shown with the grain of PM<sub>10</sub>/dscf limitation, compliance with the annual limitation shall also be demonstrated.
  - c. Emission Limitation:  
Visible particulate emissions shall not exceed 5% opacity as a six-minute average (from system bin vent to baghouse stack)



Applicable Compliance Method:

If required, compliance shall be demonstrated using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) in OAC rule 3745-17-03.

d. Emission Limitation:

Visible fugitive particulate emissions shall not exceed 20% opacity as a three-minute average from any egress point serving this emissions unit

Applicable Compliance Method:

If required, compliance shall be demonstrated using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) in OAC rule 3745-17-03.

g) Miscellaneous Requirements

- (1) None.

**7. P004, Sand Handling System**

**Operations, Property and/or Equipment Description:**

Vibramill and sand handling system controlled by baghouse

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Particulate matter equal to or less than 10 microns in size (PM <sub>10</sub> ) shall not exceed 0.01 grain per dry standard cubic foot (dscf) and 17.08 tons/year  Visible particulate emissions (PE) shall not exceed 0% opacity as a six-minute average  See b)(2)a.
b.	OAC rule 3745-17-11(B)	See b)(2)b.
c.	OAC rule 3745-17-07(A)	See b)(2)b.

(2) Additional Terms and Conditions

a. The “Best Available Technology” (BAT) for this emissions unit has been determined to be the use of a baghouse achieving a maximum outlet

concentration of 0.01 grain/dscf of particulate matter 10 microns or less in size (PM<sub>10</sub>) and an associated 0% opacity, as a six-minute average.

- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c) Operational Restrictions
  - (1) None.
- d) Monitoring and/or Recordkeeping Requirements
  - (1) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.
    - a. The permittee shall record the pressure drop across the baghouse on daily basis.
    - b. Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:
      - i. the date and time the deviation began;
      - ii. the magnitude of the deviation at that time;
      - iii. the date the investigation was conducted;
      - iv. the name(s) of the personnel who conducted the investigation; and
      - v. the findings and recommendations.
    - c. In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary.
      - i. The permittee shall maintain records of the following information for each deviation when it was determined that corrective action was not necessary:
        - (a) the reason corrective action was not necessary; and
        - (b) the date and time the deviation ended.
      - ii. The permittee shall maintain records of the following information for each deviation when corrective action was taken:

- (a) a description of the corrective action;
  - (b) the date corrective action was completed;
  - (c) the date and time the deviation ended;
  - (d) the total period of time (in minutes) during which there was a deviation;
  - (e) the pressure drop readings immediately after the corrective action was implemented; and
  - (f) the name(s) of the personnel who performed the work.
- iii. Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.
- d. Acceptable Pressure Drop Range
- In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range established for the pressure drop across the baghouse is between 4 to 8 inches of water.
- e. This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
  - (2) The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this/these emissions unit(s):
    - a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the acceptable range;
    - b. any period of time (start time and date, and end time and date) when the emissions unit was in operation and the process emissions were not vented to the baghouse;

- c. each incident of deviation described in e)(2)a. (above) where a prompt investigation was not conducted;
  - d. each incident of deviation described in e)(2)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
  - e. each incident of deviation described in e)(2)a. where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.
- f) Testing Requirements
- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
    - a. Emission Limitation:  
0.01 grain of PM<sub>10</sub>/dscf  
  
Applicable Compliance Method:  
If required, the permittee shall demonstrate compliance with the grain of PM<sub>10</sub>/dscf limitation by testing in accordance with Methods 201/201A and 202 of 40 CFR, Part 51, Appendix M. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.
    - b. Emission Limitation:  
17.08 tons of PM<sub>10</sub>/year  
  
Applicable Compliance Method:  
The annual emission limitation was determined by multiplying the maximum outlet concentration of 0.01 grain PM<sub>10</sub>/dscf by a maximum volumetric flow rate of 45,500 acfm, 60 minutes/hour, 1 pound/7000 grains, and a maximum operating schedule of 8760 hours/year, then dividing by 2000 lbs. Therefore, if compliance is shown with the grain of PM/dscf limitation, compliance with the annual limitation shall also be demonstrated.
    - c. Emission Limitation:  
Visible particulate emissions shall not exceed 0% opacity, as a six-minute average except provided by rule.  
  
Applicable Compliance Method:  
If required, compliance shall be demonstrated using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) in OAC rule 3745-17-03.
- g) Miscellaneous Requirements
- (1) None.

**8. Emissions Unit Group -Group A: F002,F003,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
F002	Casting pouring, cooling and shakeout area
F003	Shakeout Floor

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	ORC 3704.03(T)	See b)(2)a.
b.	OAC rule 3745-17-07(B)	See b)(2)b.
c.	OAC rule 3745-17-08(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirement under ORC 3704.03(T), has been determined to be a metal melt throughput restriction of 10,000 tons/rolling, 12-month period.

b. This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

c. This facility is not located within an "Appendix A" area as defined in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

- c) Operational Restrictions
  - (1) None.
- d) Monitoring and/or Recordkeeping Requirements
  - (1) The permittee shall maintain monthly records of the following information:
    - a. the total metal melted, in tons; and
    - b. the rolling, 12-month summation of the total metal melted, in tons.
- e) Reporting Requirements
  - (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- f) Testing Requirements
  - (1) None.
- g) Miscellaneous Requirements
  - (1) None.