



State of Ohio Environmental Protection Agency

**RE: DRAFT PERMIT TO INSTALL
HARDIN COUNTY**

CERTIFIED MAIL

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.
Center

Application No: 03-17197

Fac ID: 0333010042

DATE: 4/1/2008

Kenton Iron Products, Inc.
Renee Harmeyer
P.O. Box 105 347 Vine Street
Kenton, OH 43015

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43216-1049.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$13000** will be due. Please do not submit any payment now.

The Ohio EPA is urging 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 Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

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

CC: USEPA

NWDO

IN

HARDIN COUNTY

PUBLIC NOTICE

ISSUANCE OF DRAFT PERMIT TO INSTALL **03-17197** FOR AN AIR CONTAMINANT SOURCE
FOR **Kenton Iron Products, Inc.**

On 4/1/2008 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Kenton Iron Products, Inc.**, located at **13917 Vision Drive, Kenton, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 03-17197:

To be determined by county engineer.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

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



**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 03-17197

Application Number: 03-17197
Facility ID: 0333010042
Permit Fee: **To be entered upon final issuance**
Name of Facility: Kenton Iron Products, Inc.
Person to Contact: Renee Harmeyer
Address: P.O. Box 105 347 Vine Street
Kenton, OH 43015

Location of proposed air contaminant source(s) [emissions unit(s)]:
**13917 Vision Drive
Kenton, Ohio**

Description of proposed emissions unit(s):
To be determined by county engineer.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Kenton Iron Products, Inc.

Facility ID: 0333010042

PTI Application: 03-17197

Issued: To be entered upon final issuance

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit-To-Install General Terms and Conditions

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, 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.
- 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 of federally enforceable 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 made to the appropriate Ohio EPA District Office or local air agency. The written

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reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.9 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 (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, by January 31 and July 31 of each year for the previous six calendar months. 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. If this permit is for an emissions unit located at a Title V facility, then 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.
- d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

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 shall be submitted pursuant to 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 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

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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 re-issuance, or modification
- 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, 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 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.

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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. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

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8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any 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 and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this 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 ORC section 3704.08.
 - 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.

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- 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.

10. Permit-To-Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

12. 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.

13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in

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this permit.

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B. State Only Enforceable Permit-To-Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable 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 state-only required 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 (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. 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.

4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of

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installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

6. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

7. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

8. Construction Compliance Certification

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the permit-to-install application and the terms and conditions of the permit-to-install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

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9. 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., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

Kenton Iron Products, Inc.**Facility ID: 0333010042****PTI Application: 03-17197****Issued: To be entered upon final issuance****C. Permit-To-Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

	<u>Pollutant</u>	<u>Tons Per Year</u>
F001	PE	6.76
F002	PE	5.20
F003	PE	3.96
F004	VOC	23.49
F005	VOC	4.19
F006	VOC	5.90
F007	PE	4.46
K001	VOC	1.07
P001	VOC	29.82
P002	VOC	1.86
P003	PM10	0.13

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Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F001) - Two Inductotherm 1.875 ton induction furnaces for gray and ductile iron: charging, melting, tapping and inoculation

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) shall not exceed 5.76 lb/hr. Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average from any non-stack egress point. See Part III.A.I.2.a and A.II.1 below. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C).
OAC rule 3745-31-05(C) (Voluntary synthetic minor limitation to avoid major source applicability thresholds)	See Part III.A.I.2.b, A.II.1 and, A.II.2 below.
OAC rule 3745-17-07(B)	See Part III.A.I.2.c below.
OAC rule 3745-17-08(B)	See Part III.A.I.2.d below.

2. Additional Terms and Conditions

- 2.a The 0.98 lb PE/hr emission limitation was written to reflect the potential to emit of this emissions unit. Therefore, record keeping and reporting requirements are not necessary to demonstrate compliance with this emission limitation.
- 2.b PE from emission units F001 shall not exceed 6.76 tons per rolling, 12-month period.
- 2.c Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B) do not apply to this emissions unit.
- 2.d Since this emissions unit is not located in an Appendix A area, pursuant to

Emissions Unit ID: F001

paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

II. Operational Restrictions

1. The maximum amount of metal melted shall not exceed 8250 tons per rolling, 12-month summation, based upon a rolling, 12-month summation of the metal melting rate.
2. The maximum amount of metal inoculated shall not exceed 5800 tons per rolling, 12-month summation, based upon a rolling, 12-month summation of the metal melting rate.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. the total metal melted, in tons, in emission unit F001;
 - b. the total metal inoculated, in tons, in emission unit F001;
 - c. the rolling, 12-month summation of the total metal melted, in tons, from emission unit F001;
 - d. the rolling, 12-month summation of the total metal inoculated, in tons, from emission unit F001; and
 - e. the rolling, 12-month summation of the total particulate emissions, in tons, from emission unit $[(a*(4.2 \text{ lbs PE/ton}) + b*(1.8 \text{ lbs PE/ton}))(\text{building control efficiency}(1-.70))]$.
2. The permittee shall perform daily checks, when the emissions unit is charged or tapped during day light and when the weather conditions allow, for visible fugitive particulate emissions from the non-stack egress points from the building housing this emissions unit. These egress points shall include, but not be limited to: doorways, ventilation openings and windows. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location 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 visible emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which note the following:

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- a. identify all days during which visible fugitive particulate emissions were observed from any non-stack egress point from the building housing this emissions unit;
- b. describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions from the building housing this emissions unit;
- c. all exceedances of the rolling, 12-month summation limitation for total metal melted, in tons, from emission unit F001;
- d. all exceedances of the rolling, 12-month summation limitation for total metal inoculated, in tons, from emission unit F001; and
- e. all exceedances of the rolling, 12-month summation limitation for total particulate emissions, in tons, from emission units F001.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

V. Testing Requirements

- a. Emission Limitation:
PE shall not exceed 5.76 lbs/hr

Applicable Compliance Method:

Compliance may be demonstrated by multiplying the maximum capacity of 3.20 tons of metal melted per hour by the emission factor of 4.2 pounds of PE per ton of metal melted (AP-42, Ch 12.10, for charging, melting, tapping and inoculation, 01/95) by the control efficiency of the building structure (1-0.70, from SIP development)).

- b. Emission Limitation:
Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average from any non-stack egress point.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

- c. Emission Limitation:

Emissions Unit ID: F001

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PE from emission units F001 shall not exceed 6.76 tons per rolling, 12-month period.

Applicable Compliance Method:
See Part III.A.III.1 above.

VI. Miscellaneous Requirements

None

Emissions Unit ID: F001

B. State Only Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (F001) - Two Inductotherm 1.875 ton induction furnaces for gray and ductile iron: charging, melting, tapping and inoculation

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F002) - Casting pouring and cooling area

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) shall not exceed 4.03 lb/hr. Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average from any non-stack egress point. See Part III.A.I.2.a and A.II.1 below. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C).
OAC rule 3745-31-05(C) (Voluntary synthetic minor limitation to avoid major source applicability thresholds)	See Part III.A.I.2.b and A.II.1 below.
OAC rule 3745-17-07(B)	See Part III.A.I.2.c below.
OAC rule 3745-17-08(B)	See Part III.A.I.2.d below.

2. Additional Terms and Conditions

- 2.a The 4.03 lb PE/hr emission limitation was written to reflect the potential to emit of this emissions unit. Therefore, record keeping and reporting requirements are not necessary to demonstrate compliance with this emission limitation.
- 2.b PE from emission units F002 shall not exceed 5.20 tons per rolling, 12-month period.

Issued: To be entered upon final issuance

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

II. Operational Restrictions

- 1. The maximum amount of metal poured shall not exceed 8250 tons per rolling, 12-month summation, based upon a rolling, 12-month summation of the metal pouring rate.

III. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the following information:
 - a. the total metal poured, in tons, in emission unit F002;
 - b. the rolling, 12-month summation of the total metal poured, in tons, from emission unit F002;
 - c. the rolling, 12-month summation of the total particulate emissions, in tons, from emission unit F002 $[(A.III.1.a) * (4.2 \text{ lbs PE/ton}) * (\text{building control efficiency}(1-.70))]$.
- 2. The permittee shall perform daily checks, when the emissions unit is pouring during day light and when the weather conditions allow, for visible fugitive particulate emissions from the non-stack egress points from the building housing this emissions unit. These egress points shall include, but not be limited to: doorways, ventilation openings and windows. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location 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 visible emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which note the following:

Emissions Unit ID: F002

- a. identify all days during which visible fugitive particulate emissions were observed from any non-stack egress point from the building housing this emissions unit;
- b. describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions from the building housing this emissions unit;
- c. all exceedances of the rolling, 12-month summation limitation for total metal poured, in tons, from emission unit F002;
- d. all exceedances of the hourly limitation for total particulate emissions, in pounds, from emission units F002.
- e. all exceedances of the rolling, 12-month summation limitation for total particulate emissions, in tons, from emission units F001.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

V. Testing Requirements

- a. Emission Limitation:
PE shall not exceed 4.03 lbs/hr

Applicable Compliance Method:

Compliance may be demonstrated by multiplying the maximum capacity of 3.20 tons of metal melted per hour by the emission factor of 4.2 pounds of PE per ton of metal poured (AP-42, Ch 12.10, table 12-10.7, 01/95) by the control efficiency of the building structure, (1-0.70), from SIP development.

- b. Emission Limitation:
Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average from any non-stack egress point.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

- c. Emission Limitation:
PE from emission units F002 shall not exceed 5.20 tons per rolling, 12-month period.

Applicable Compliance Method:

See Part III.A.III.1 above.

Emissions Unit ID: F002

Issued: To be entered upon final issuance

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F002) - Casting pouring and cooling area

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F003) - Casting Shakeout Floor

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>Particulate emissions (PE) shall not exceed 3.07 lb/hr.</p> <p>Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average from any non-stack egress point.</p> <p>See Part III.A.I.2.a and A.II.1 below.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C).</p>
OAC rule 3745-31-05(C) (Voluntary synthetic minor limitation to avoid major source applicability thresholds)	See Part III.A.I.2.b and A.II.1 below.
OAC rule 3745-17-07(B)	See Part III.A.I.2.c below.
OAC rule 3745-17-08(B)	See Part III.A.I.2.d below.

2. Additional Terms and Conditions

- 2.a The 3.07 lb PE/hr emission limitation was written to reflect the potential to emit of this emissions unit. Therefore, record keeping and reporting requirements are not necessary to demonstrate compliance with this emission limitation.
- 2.b PE from emission units F003 shall not exceed 3.96 tons per rolling, 12-month period.
- 2.c Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of

Emissions Unit ID: F003

OAC rule 3745-17-07(B) do not apply to this emissions unit.

- 2.d** Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

II. Operational Restrictions

1. The maximum amount of metal shook out shall not exceed 8250 tons per rolling, 12-month summation, based upon a rolling, 12-month summation of the shake out rate.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. the total metal shook out, in tons, in emission unit F003;
 - b. the rolling, 12-month summation of the total metal shook out, in tons, from emission unit F003;
 - c. the rolling, 12-month summation of the total particulate emissions, in tons, from emission unit F003 $[(A.III.1.a) \times (3.2 \text{ lbs PE/ton}) \times (\text{building control efficiency}(1-.70))]$.
2. The permittee shall perform daily checks, when the emissions unit is being shaken out during day light and when the weather conditions allow, for visible fugitive particulate emissions from the non-stack egress points from the building housing this emissions unit. These egress points shall include, but not be limited to: doorways, ventilation openings and windows. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location 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 visible emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which note the following:
 - a. identify all days during which visible fugitive particulate emissions were observed from any non-stack egress point from the building housing this emissions unit;

Issued: To be entered upon final issuance

- b. describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions from the building housing this emissions unit;
- c. all exceedances of the rolling, 12-month summation limitation for total metal shook out, in tons, from emission unit F003;
- d. all exceedances of the hourly limitation for total particulate emissions, in pounds, from emission unit F003.
- e. all exceedances of the rolling, 12-month summation limitation for total particulate emissions, in tons, from emission unit F003.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

V. Testing Requirements

- a. Emission Limitation:
PE shall not exceed 3.07 lbs/hr

Applicable Compliance Method:

Compliance may be demonstrated by multiplying the maximum capacity of 3.20 tons of metal melted per hour by the emission factor of 3.2 pounds of PE per ton of metal poured (AP-42, Ch 12.10, table 12-10.7, 01/95) by the control efficiency of the building structure, (1-0.70), from SIP development.

- b. Emission Limitation:
Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average from any non-stack egress point.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

- c. Emission Limitation:
PE from emission units F002 shall not exceed 3.96 tons per rolling, 12-month period.

Applicable Compliance Method:

See Part III.A.III.1 above.

Kenton Iron Products, Inc.
DTI Application: 02 17107

Facility ID: 0333010042

Emissions Unit ID: F003

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F003) - Casting Shakeout Floor

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F004) - Mold making operations (Mixer VMX 1) - Sand Mixer and mold filling

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>Volatile organic compound (VOC) emissions shall not exceed 26.10 lbs/hr.</p> <p>The requirements of this rule also include compliance with OAC rule 3745-31-05(C).</p>
OAC rule 3745-31-05(C) (Voluntary synthetic minor limitation to avoid major source applicability thresholds)	<p>VOC emissions shall not exceed 23.49 tons per rolling, 12-month summation.</p> <p>See Part III.A.I.2.a below.</p>
OAC rule 3745-21-07(G)(2)	See Part III.A.I.2.b below.

2. Additional Terms and Conditions

- 2.a The 26.10 pounds per hour emission limitation was written to reflect the potential to emit of this emissions unit. Therefore, record keeping and reporting requirements are not necessary to demonstrate compliance with the emission limitation.
- 2.b This emission unit uses a phenolic urethane no-bake resin binder system in foundry core-making and mold-making operations. Therefore, pursuant to OAC rule 3745-21-07 (G)(9)(i), the requirements of OAC rule 3745-21-07(G)(2) do not apply to this emissions unit.

II. Operational Restrictions

Issued: To be entered upon final issuance

1. The maximum amount of sand handled in this emissions unit shall not exceed 54,000 tons per rolling, 12-month summation, based upon a rolling, 12-month summation of the sand handling rate.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the tons of sand handled per hour;
 - b. the VOC emission rate, in lbs/ ton sand produced;
 - c. the VOC emissions, per hour (a x b);
 - d. the rolling, 12-month summation of the total sand handled, in tons, from emission unit F004, and;
 - e. the total VOC emission rate based on a rolling, 12-month summation, in tons, [c x 0.87 lbs VOC/ton of sand(Ohio EPA/OCMA study, "New emission factors for core/mold making operations Part I", 2/16/98) x 1 ton/2000 lbs].

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which note the following:
 - a. all exceedances of the hourly limitation for VOC emissions, in pounds, from emission unit F004.
 - b. all exceedances of the rolling, 12-month summation limitation for emission unit F004;
 - c. all exceedances of the rolling, 12-month summation limitation for sand handling, in tons, from emission unit F004.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

V. Testing Requirements

Emissions Unit ID: F004

- a. Emission Limitation:
VOC emissions shall not exceed 26.10 lbs/hr.
- Applicable Compliance Method:
Compliance may be demonstrated by Part III.A.III.1.c above.
- b. Emission Limitation:
Total sand handled shall not exceed 54000 tons per year.
- Applicable Compliance Method:
Compliance may be demonstrated by Part III.A.III.1.d above.
- c. Emission Limitation:
VOC emissions shall not exceed 23.49 tons per rolling, 12-month summation.
- Applicable Compliance Method:
Compliance may be demonstrated by Part III.A.III.1.e above.

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (F004) - Mold making operations (Mixer VMX 1) - Sand Mixer and mold filling

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F005) - Core making operations (Mixer VMX 2) - Sand mixer and core filling

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>Volatile organic compound (VOC) emissions shall not exceed 7.83 lbs/hr.</p> <p>The requirements of this rule also include compliance with OAC rule 3745-31-05(C).</p>
OAC rule 3745-31-05(C) (Voluntary synthetic minor limitation to avoid major source applicability thresholds)	<p>VOC emissions shall not exceed 4.19 tons per rolling, 12-month summation.</p> <p>See Part III.A.I.2.a and A.II.1 below.</p>
OAC rule 3745-21-07(G)(2)	See Part III.A.I.2.b below.

2. Additional Terms and Conditions

- 2.a The 7.83 pounds per hour emission limitation was written to reflect the potential to emit of this emissions unit. Therefore, record keeping and reporting requirements are not necessary to demonstrate compliance with the emission limitation.
- 2.b This emission unit uses a phenolic urethane no-bake resin binder system in foundry core-making and mold-making operations. Therefore, pursuant to OAC rule 3745-21-07 (G)(9)(i), the requirements of OAC rule 3745-21-07(G)(2) do not apply to this emissions unit.

II. Operational Restrictions

Emissions Unit ID: F005

Issued: To be entered upon final issuance

1. The maximum amount of sand handled in this emissions unit shall not exceed 9630 tons per rolling, 12-month summation, based upon a rolling, 12-month summation of the sand handling rate.

Issued: To be entered upon final issuance

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the tons of sand handled per hour;
 - b. the VOC emission rate, in lbs/ ton sand produced;
 - c. the VOC emissions, per hour (a x b);
 - d. the rolling, 12-month summation of the total sand handled, in tons, from emission unit F005, and;
 - e. the total VOC emission rate based on a rolling, 12-month summation, in tons, [c x 0.87 lbs VOC/ton of sand(Ohio EPA/OCMA study, "New emission factors for core/mold making operations Part I", 2/16/98) x 1 ton/2000 lbs].

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which note the following:
 - a. all exceedances of the hourly limitation for VOC emissions, in pounds, from emission unit F005.
 - b. all exceedances of the rolling, 12-month summation limitation for emission unit F005;
 - c. all exceedances of the rolling, 12-month summation limitation for sand handling, in tons, from emission unit F005.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

V. Testing Requirements

- a. Emission Limitation:
VOC emissions shall not exceed 7.83 lbs/hr.

Applicable Compliance Method:
Compliance may be demonstrated by Part III.A.III.1.c above.

Kenton Iron Products, Inc.
DTI Application: 02-17107

Facility ID: 0333010042

Emissions Unit ID: F005

- b. Emission Limitation:
Total sand handled shall not exceed 9360 tons per year.
- Applicable Compliance Method:
Compliance may be demonstrated by Part III.A.III.1.d above.
- c. Emission Limitation:
VOC emissions shall not exceed 4.19 tons per rolling, 12-month summation.
- Applicable Compliance Method:
Compliance may be demonstrated by Part III.A.III.1.e above.

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (F005) - Core making operations (Mixer VMX 2) - Sand mixer and core filling

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F006) - Cold box chromite core making operations (Mixer VMX 3) - Sand Mixer and core filling

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>Volatile organic compound (VOC) emissions shall not exceed 5.85 lbs/hr.</p> <p>The requirements of this rule also include compliance with OAC rule 3745-31-05(C).</p>
OAC rule 3745-31-05(C) (Voluntary synthetic minor limitation to avoid major source applicability thresholds)	<p>VOC emissions shall not exceed 5.90 tons per rolling, 12-month summation.</p> <p>See Part III.A.I.2.a and A.II.1 below.</p>
OAC rule 3745-21-07(G)(2)	See Part III.A.I.2.b below.

2. Additional Terms and Conditions

- 2.a The 5.85 pounds per hour emission limitation was written to reflect the potential to emit of this emissions unit. Therefore, record keeping and reporting requirements are not necessary to demonstrate compliance with the emission limitation.
- 2.b This emission unit uses a phenolic urethane no-bake resin binder system in foundry core-making and mold-making operations. Therefore, pursuant to OAC rule 3745-21-07 (G)(9)(i), the requirements of OAC rule 3745-21-07(G)(2) do not apply to this emissions unit.

II. Operational Restrictions

Emissions Unit ID: F006

1. The maximum amount of sand handled in this emissions unit shall not exceed 18162 tons per rolling, 12-month summation, based upon a rolling, 12-month summation of the sand handling rate.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the tons of sand handled per hour;
 - b. the VOC emission rate, in lbs/ ton sand produced;
 - c. the VOC emissions, per hour (a x b);
 - d. the rolling, 12-month summation of the total sand handled, in tons, from emission unit F006, and;
 - e. the total VOC emission rate based on a rolling, 12-month summation, in tons, [c x 0.65 lbs VOC/ton of sand(Ohio EPA/OCMA study, "New emission factors for core/mold making operations Part I", 2/16/98) x 1 ton/2000 lbs].

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which note the following:
 - a. all exceedances of the hourly limitation for VOC emissions, in pounds, from emission unit F006.
 - b. all exceedances of the rolling, 12-month summation limitation for emission unit F006;
 - c. all exceedances of the rolling, 12-month summation limitation for sand handling, in tons, from emission unit F006.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

V. Testing Requirements

- a. Emission Limitation:
VOC emissions shall not exceed 5.85 lbs/hr.

Applicable Compliance Method:

Compliance may be demonstrated by Part III.A.III.1.c above.

Issued: To be entered upon final issuance

- b. Emission Limitation:
Total sand handled shall not exceed 18162 tons per year.

Applicable Compliance Method:
Compliance may be demonstrated by Part III.A.III.1.d above.

- c. Emission Limitation:
VOC emissions shall not exceed 5.90 tons per rolling, 12-month summation.

Applicable Compliance Method:
Compliance may be demonstrated by Part III.A.III.1.e above.

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F006) - Cold box chromite core making operations (Mixer VMX 3) - Sand Mixer and core filling

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(F007) - Finishing operations - cutting and grinding

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) shall not exceed 3.46 lb/hr. Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average from any non-stack egress point. See Part III.A.I.2.a and A.II.1 below. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C).
OAC rule 3745-31-05(C) (Voluntary synthetic minor limitation to avoid major source applicability thresholds)	See Part III.A.I.2.b and A.II.1 below.
OAC rule 3745-17-07(B)	See Part III.A.I.2.c below.
OAC rule 3745-17-08(B)	See Part III.A.I.2.d below.

2. Additional Terms and Conditions

- 2.a The 3.46 lb PE/hr emission limitation was written to reflect the potential to emit of this emissions unit. Therefore, record keeping and reporting requirements are not necessary to demonstrate compliance with this emission limitation.
- 2.b PE from emission unit F007 shall not exceed 4.46 tons per rolling, 12-month period.

Emissions Unit ID: F007

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

II. Operational Restrictions

1. The maximum amount of metal ground not exceed 8250 tons per rolling, 12-month summation, based upon a rolling, 12-month summation of the metal melting rate.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. the total metal ground, in tons, in emission unit F007, and;
 - b. the rolling, 12-month summation of the total metal ground, in tons, from emission unit F007;
 - c. the rolling, 12-month summation of the total particulate emissions, in tons, from emission unit [(a x (3.6 lbs PE/ton) x (building control efficiency(1-.70))].
2. The permittee shall perform daily checks, when the emissions unit is charged or tapped during day light and when the weather conditions allow, for visible fugitive particulate emissions from the non-stack egress points from the building housing this emissions unit. These egress points shall include, but not be limited to: doorways, ventilation openings and windows. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location 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 visible emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which note the following:
 - a. identify all days during which visible fugitive particulate emissions were observed from any non-stack egress point from the building housing this emissions unit;

Issued: To be entered upon final issuance

- b. describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions from the building housing this emissions unit;
- c. all exceedances of the rolling, 12-month summation limitation for total metal ground, in tons, from emission unit F007;
- d. all exceedances of the rolling, 12-month summation limitation for total particulate emissions, in tons, from emission units F007.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

V. Testing Requirements

- a. Emission Limitation:
PE shall not exceed 3.46 lbs/hr

Applicable Compliance Method:

Compliance may be demonstrated by multiplying the maximum capacity of 3.20 tons of metal ground per hour by the emission factor of 3.6 pounds of PE per ton of metal ground (site specific emissions factor) by the control efficiency of the building structure (1-0.70, from SIP development)).

- b. Emission Limitation:
Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average from any non-stack egress point.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

- c. Emission Limitation:
PE from emission units F007 shall not exceed 4.46 tons per rolling, 12-month period.

Applicable Compliance Method:

See Part III.A.III.1 above.

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (F007) - Finishing operations - cutting and grinding

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(K001) - Coating operations

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	8.30 lbs VOC/hour, 1.07 tons OC /yr See A.I.2.a
OAC rule 3745-21-09 (U)(2)(e)(iii)	VOC emission exemption, based on maximum daily coating usage not exceeding 10 gallons of coating in any one day
OAC rule 3745-17-11(A)	See A.I.2.b
OAC rule 3745-17-07(A)	See A.I.2.c

2. Additional Terms and Conditions

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(2)(e)(iii).
- 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)(ii), this unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.c 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 OAC rule 3745-17-11 is not applicable.

II. Operational Restrictions

None

III. 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 employed;

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- b. the number of gallons of each coating employed;
- c. the VOC content of each coating (excluding water and exempt solvents), as applied, in lbs/gal
- d. the OC content of each coating, as applied, in lbs/gal;
- e. the OC emissions from each coating employed, in lbs, (A.III.1.b. x A.III.1.d);
- f. the total OC emissions from all coatings, in tons, (sum of A.III.1.e. x 1 ton/2000 lbs); and
- g. the annual year-to-date OC emissions, in tons, from all coatings employed (summation of C.1.f. for each calendar month to date from January to December).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviations reports that identify each day the OC emissions exceeded the daily emissions limit specified above.

The quarterly deviation reports shall be submitted to the Director (appropriate District Office or local air agency) in accordance with the General Terms and Conditions. These reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter.

2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.
3. The permittee shall submit annual compliance reports that include:
 - a. a list of all allowable emissions limits and operational restrictions in Section A.I.1 and A.I.2; and
 - b. a statement whether the emissions unit is in compliance with the requirements listed.

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The report shall be submitted to the Director (the appropriate District Office or local air agency) by February 1 of each year and shall cover the previous calendar year.

V. Testing Requirements

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

- a. Emission Limitation:
8.30 lbs VOC/hr; 1.07 tpy VOC

Applicable Compliance Method:

Compliance shall be based on the record keeping requirements as specified in A.III.1.

The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (2.28 gallons per hour) by the maximum VOC content of all the coatings (3.64 pounds per gallon, as applied). Compliance with the annual limitation of 1.07 tpy VOC shall be based upon the recordkeeping requirements specified in Section A.III.1 of this permit.

- b. Emission Limitation:
not more than 10 gallons of coating usage per day

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements as specified in A.III.1.

2. Formulation data or US EPA Method 24/311 shall be used to determine the OC/HAP content of the coatings.

VI. Miscellaneous Requirements

None

Emissions Unit ID: K001

B. State Only Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (K001) - Coating operations

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(P001) - Mold and core wash operations

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compound (VOC) emissions shall not exceed 9.77 lbs/hr and 29.82 tons/yr. See Section A.I.2.a below.
OAC rule 3745-21-07(G)(2)	See Section A.I.2.b below.

2. Additional Terms and Conditions

- 2.a The 9.77 pounds per hour and 29.82 tons per year emission limitations were written to reflect the potential to emit of this emissions unit. Therefore, additional monitoring, record keeping, and reporting requirements are not necessary to demonstrate compliance with these emissions limitations.
- 2.b To avoid the emission limitations/control requirements contained in OAC rule 3745-21-07(G)(2), no photochemically reactive materials (i.e., as raw materials or cleanup materials) shall be employed in this emissions unit.

Note: The definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

1. The maximum usage of wash material from this emissions unit shall not exceed 42485 gallons per year.
2. The maximum wash material VOC content, as applied, shall not exceed 30% VOC, material by volume.

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III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records for each material employed in this emissions unit that indicate whether or not the material is a photochemically reactive material.
2. The permittee shall maintain records of the following information for this emissions unit:
 - a. the company identification of each wash material used;
 - b. the organic compound content of each wash material, in pounds VOC per pound of wash material;
 - c. the amount, in pounds, of each wash material used on a monthly basis;
 - d. the amount, in pounds, of each wash material used on an annual basis; and
 - e. the annual VOC emission rate (b x d for each wash material), in tons.

IV. Reporting Requirements

1. The permittee shall submit to the Director (Northwest District Office) deviation (excursion) reports which identify all periods during which photochemically reactive materials were employed in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit to the Director (Northwest District Office) deviation (excursion) reports which identify all periods during which the wash material exceeded the VOC content limitations specified above. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit annual reports that specify the total VOC emissions from emission unit P001 for the previous calendar year. This report shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for emission units P001 in the annual Fee Emission Report.

V. Testing Requirements

1. Compliance with the emission limitations specified in Section A.I 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/hr.

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Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the maximum wash material usage of 6.7 lbs/hr by the maximum VOC content of 30%, by volume.

- b. Emission Limitation:
VOC emissions shall not exceed 29.82 tons/yr.

Applicable Compliance Method:

The permittee shall demonstrate compliance with this emissions limitation based on the record keeping under Section III.2.e above.

VI. Miscellaneous Requirements

None

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (P001) - Mold and core wash operations

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (P002) - Mold release operations

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compound (VOC) emissions shall not exceed 0.61 lbs/hr and 1.86 tons/yr. See Section A.I.2.a below.
OAC rule 3745-21-07(G)(2)	See Section A.I.2.b below.

2. Additional Terms and Conditions

- 2.a The 0.61 pounds per hour and 1.86 tons per year emission limitations were written to reflect the potential to emit of this emissions unit. Therefore, additional monitoring, record keeping, and reporting requirements are not necessary to demonstrate compliance with these emissions limitations.
- 2.b To avoid the emission limitations/control requirements contained in OAC rule 3745-21-07(G)(2), no photochemically reactive materials (i.e., as raw materials or cleanup materials) shall be employed in this emissions unit.

Note: The definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).

II. Operational Restrictions

1. The maximum usage of release material from this emissions unit shall not exceed 665 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.

Emissions Unit ID: P002

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records for each material employed in this emissions unit that indicate whether or not the material is a photochemically reactive material.
2. 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; and
 - e. the annual VOC emission rate (b x d for each release material), in tons.

IV. Reporting Requirements

1. The permittee shall submit to the Director (Northwest District Office) deviation (excursion) reports which identify all periods during which photochemically reactive materials were employed in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit to the Director (Northwest District Office) deviation (excursion) reports which identify all periods during which the release material exceeded the VOC content limitations specified above. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit annual reports that specify the total VOC emissions from emission unit P002 for the previous calendar year. This report shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for emission units P002 in the annual Fee Emission Report.

V. Testing Requirements

1. Compliance with the emission limitations specified in Section A.I of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
VOC emissions shall not exceed 0.61 lbs/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the maximum release material usage of 0.11 gal/hr by the maximum VOC content of 5.58 lb VOC/lb release material.

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- b. Emission Limitation:
VOC emissions shall not exceed 1.86 tons/yr.

Applicable Compliance Method:

The permittee shall demonstrate compliance with this emissions limitation based on the record keeping under Section III.2.e above.

Emissions Unit ID: P002

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VI. Miscellaneous Requirements

None

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (P002) - Mold release operations

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(P003) - New sand storage silo with pneumatic conveyance

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	0.13 ton particulate matter less than 10 microns in size (PM10)/year (See A.I.2.d) 0.03 grains PM10/dry standard cubic foot (dscf) Visible particulate emissions shall not exceed 5% opacity as a six-minute average See A.I.2.e
OAC rule 3745-17-07 (B)	Visible fugitive particulate emissions shall not exceed 20% opacity as a three-minute average
OAC rule 3745-17-08(B)	See A.I.2.b
OAC rule 3745-17-07(A)	See A.I.2.c
OAC rule 3745-17-11(B)	See A.I.2.c

2. Additional Terms and Conditions

- 2.a "Best Available Technology" (BAT) control requirements 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 grains PM10/dscf, and
- 2.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).
- 2.c The emission limitation specified by this rule is less stringent than the emission

Emissions Unit ID: P003

limitation established pursuant to OAC rule 3745-31-05(A)(3)

- 2.d** All stack emissions of particulate matter are PM10.
- 2.e** The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B).

II. Operational Restrictions

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

III. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall perform checks when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the sand storage silo. 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 times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- 2. The permittee shall perform checks when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the sand storage silo. The presence or absence of any visible emissions shall be noted in an operations log for silo. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;

Emissions Unit ID: P003

- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.
3. The permittee shall maintain monthly records of the amount of material throughput (through the loading spout) for this emissions unit, in tons per month and total tons, to date for the calendar year.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that:
 - a. identify all days during which any abnormal visible fugitive particulate emissions were observed from the new sand storage silo and describe any corrective actions taken to eliminate the abnormal visible fugitive particulate emissions.
 - b. identify all days during which any visible particulate emissions were observed from the new sand storage silo and describe any corrective actions taken to eliminate the visible particulate emissions.

These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

3. The permittee shall submit annual reports that summarize the total amount of material throughput (through the loading spout), in tons, for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

V. Testing Requirements

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

- a. Emission Limitation
0.03 grains PM10/dscf, 0.13 ton PM10/year

Applicable Compliance Method

If required, the permittee shall demonstrate compliance with the 0.03 gr PM10/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.

The annual emission limitation was established by the multiplying the maximum outlet concentration of 0.03 gr PM10/dscf, a maximum volumetric flow rate of 1000 acfm, a conversion factor of 60 minutes/hr, a conversion factor of 1.0

Emissions Unit ID: P003

lb/7000 grains, a maximum operating schedule of 8760 hrs/yr, and a conversion factor of 2000 lbs/ton. Therefore provided compliance is shown with the gr/dscf limitation, compliance with the annual limitation will be assumed.

b. Emission Limitation

Visible particulate emissions shall not exceed 5% opacity as a six-minute average (from system bin vent and baghouse stack)

Applicable Compliance Method

If required, compliance shall be determined in accordance with the test method and procedures specified in Method 9 of 40 CFR Part 60, Appendix A.

c. Emission Limitation:

Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average from any non-stack egress point.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

VI. Miscellaneous Requirements

None

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment -(P003) - New sand storage silo with pneumatic conveyance

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None