



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:

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

4/16/2009

James Smith
HANSON AGGREGATES MIDWEST INC
PO Box 278
Sylvania, OH 43560

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0322020183
Permit Number: P0086973
Permit Type: Renewal
County: Erie

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Dear Permit Holder:

Enclosed please find a final 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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern
Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-NWDO

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
HANSON AGGREGATES MIDWEST INC**

Facility ID: 0322020183
Permit Number: P0086973
Permit Type: Renewal
Issued: 4/16/2009
Effective: 4/16/2009
Expiration: 4/16/2019



Air Pollution Permit-to-Install and Operate
for
HANSON AGGREGATES MIDWEST INC

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Final Permit-to-Install and Operate
Permit Number: P0086973
Facility ID: 0322020183
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Authorization

Facility ID: 0322020183
Application Number(s): A0017856
Permit Number: P0086973
Permit Description: PTIO Renewal for Roadways, Storage Piles, Mineral Extraction, Aggregate Processing, Fine Grind Plant(South Mill), Fine Grind Plant(North Mill), and Bin and Truck Loading.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 4/16/2009
Effective Date: 4/16/2009
Expiration Date: 4/16/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

HANSON AGGREGATES MIDWEST INC
9220 PORTLAND RD
SANDUSKY, OH 44870

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

Ohio 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

Chris Korleski
Director



Authorization (continued)

Permit Number: P0086973
Permit Description: PTIO Renewal for Roadways, Storage Piles, Mineral Extraction, Aggregate Processing, Fine Grind Plant(South Mill), Fine Grind Plant(North Mill), and Bin and Truck Loading.

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

Emissions Unit ID: F002
Company Equipment ID: Roadways, Parking Areas
Superseded Permit Number: 03-13633
General Permit Category and Type: Not Applicable

Emissions Unit ID: F003
Company Equipment ID: Storage Piles
Superseded Permit Number: 03-13633
General Permit Category and Type: Not Applicable

Emissions Unit ID: F004
Company Equipment ID: Mineral Extraction
Superseded Permit Number: 03-13633
General Permit Category and Type: Not Applicable

Emissions Unit ID: F005
Company Equipment ID: Aggregate Processing
Superseded Permit Number: 03-13633
General Permit Category and Type: Not Applicable

Emissions Unit ID: P001
Company Equipment ID: Fine Grind Plant-South Mill
Superseded Permit Number: 03-13633
General Permit Category and Type: Not Applicable

Emissions Unit ID: P002
Company Equipment ID: Fine Grind Plant-North Mill
Superseded Permit Number: 03-13633
General Permit Category and Type: Not Applicable

Emissions Unit ID: P902
Company Equipment ID: Bin and Truck Loading
Superseded Permit Number: 03-13633
General Permit Category and Type: Not Applicable



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Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0086973

Facility ID: 0322020183

Effective Date: 4/16/2009

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 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 Ohio EPA DAPC, Northwest District Office 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



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

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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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

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Effective Date: 4/16/2009

B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0086973

Facility ID: 0322020183

Effective Date: 4/16/2009

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0086973

Facility ID: 0322020183

Effective Date: 4/16/2009

C. Emissions Unit Terms and Conditions



1. F002, Roadways, Parking Areas

Operations, Property and/or Equipment Description:

Roadways

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 operations(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. 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)	22.50 tons fugitive particulate emissions (PE) per year Visible fugitive particulate emissions shall not exceed 5% opacity at any time Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)c. through b)(2)i.]
b.	OAC rule 3745-17-07(B)	See b)(2)j.
c.	OAC rule 3745-17-08(B)	See b)(2)k.

(2) Additional Terms and Conditions

a. The paved roadways and parking areas that are subject to the terms and conditions of this permit are listed below:

paved roadways:
 0.28 mile paved road segment



paved parking areas:

office parking

- b. The unpaved roadways and parking areas that are subject to the terms and conditions of this permit are listed below:

unpaved roadways:

7.7 mile unpaved road segment

unpaved parking areas:

employee parking

- c. The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by using a self-propelled sweeper and water truck with a flusher unit, at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water using a mobile water tank with spray bars, at sufficient treatment frequencies to ensure compliance. The permittee will also use liquid chlorine on an as needed basis. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- f. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.



- g. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- h. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- i. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05(A)(3).
- j. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- k. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emission 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) Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

paved roadways and parking areas	minimum inspection frequency
All	Daily during operation
 unpaved roadways and parking areas	 minimum inspection frequency
All	Daily during operation

- (2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- (3) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- (4) The permittee shall maintain records of the following information:



- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
- c. the dates the control measures were implemented; and
- d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(4)d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.
- (2) The permittee shall identify in the PER forms the following information concerning inspection requirements during the 12-month reporting period for this/these emissions unit(s):
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

f) Testing Requirements

- (1) Compliance with the emissions limitation(s) in Section b)(1) of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible particulate emissions shall not exceed 5% opacity at any time

Applicable Compliance Method:
If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.
 - b. Emissions Limitation:
22.50 tons fugitive PE/yr (all roadways and parking areas)



Applicable Compliance Method:

The permittee shall demonstrate compliance by applying 95% control efficiency to AP-42 emission factors of 0.37 lb PE/VMT for paved and 3.61 lb PE for unpaved roadways [section 13.2.1.2 (10/97) and section 13.2.2.2 (9/98)], the maximum vehicle miles traveled and dividing by 2000 lbs/ton.

paved roadways - 129,545 miles

unpaved roadways - 236,000 miles

g) Miscellaneous Requirements

(1) None.



2. F003, Storage Piles

Operations, Property and/or Equipment Description:

Storage Piles

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 operations(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. 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)	3.06 tons fugitive particulate emissions (PE)/yr Visible particulate emissions shall not exceed 5% opacity at any time from wind erosion or load-in/load-out operations Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b.-b)(2)f.]
b.	OAC rule 3745-17-07(B)	See b)(2)g.
c.	OAC rule 3745-17-08(B)	See b)(2)h.

(2) Additional Terms and Conditions

a. The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

i. berm storage pile



- ii. washed/course storage pile
- iii. fine storage pile
- b. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat load-in and load-out materials with water as needed to maintain material moisture content, reduce drop height of material, to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- c. The above-mentioned control measure(s) shall be employed for load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is necessary.
- d. The permittee shall employ best available control measures for wind erosion from the surfaces of the storage pile for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to using high burden mounds to the east of the stockpile area, spray water on an as-needed basis, and maintaining as low a pile height as possible. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. The above-mentioned control measures shall be employed for wind erosion from each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that additional control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of additional control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy requirements of OAC rule 3745-31-05(A)(3).
- g. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- h. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emission 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) Except as otherwise provided in this section, the permittee shall perform inspections of load-in operations at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
all	once during each day of operation
 - (2) Except as otherwise provided in this section, the permittee shall perform inspections of load-out operations at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
all	once during each day of operation
 - (3) Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from storage pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
all	once during each day of operation
 - (4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
 - (5) The purpose of the inspections is to determine the need for implementing control measures for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
 - (6) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
 - (7) The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;



- b. the date of each inspection where it was determined by the permittee that it was necessary to implement control measures;
- c. the dates the control measures were implemented; and
- d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required d)(7)d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.
- (2) The permittee shall identify in the PER forms the following information concerning inspection requirements during the 12-month reporting period for this/these emissions unit(s):
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation
3.06 tons fugitive PE/yr

Applicable Compliance Method

Compliance shall be determined by combining the emissions from each load-in and load-out operation and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency. Load-in and load out operation emission rate is based on a maximum load-in and load-out rate of 4,400,000 tons per year and each wind erosion emission rate is based a maximum surface area of 84 acres for all storage piles as listed in the permit application:

The emission rate was determined as follows:



- i. Load-in - emissions associated with load-in operations were established by multiplying a maximum load-in rate of 4,400,000 tons per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.0013 lb PE/ton] applying a 95% control efficiency and dividing by 2000. (0.14 tons PE/yr)
- ii. Load-out - This emission limitation was established by multiplying the maximum load-out rate of 4,400,000 tons per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.0013 lb PE/ton] applying a 95% control efficiency and dividing by 2000. (0.14 tons PE/yr)
- iii. Wind Erosion - This portion of the emission limitation was established by combining the emissions from wind erosion from all storage piles. Each emission limitation is based total maximum storage pile surface area as listed in the permittee's application and was calculated as follows:

Aggregate Storage Pile - This emission limitation was established by multiplying a maximum surface area of 84 acres by the appropriate emission factor from USEPA's control of Open Fugitive Dust Sources (September 1988) [3.63 lb PE/day/acre] by a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (2.78 tons PE/yr)

- b. Emission Limitation
Visible particulate emissions shall not exceed 5% opacity at any time

Applicable Compliance Method
If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

g) Miscellaneous Requirements

- (1) None.



3. F004, Mineral Extraction

Operations, Property and/or Equipment Description:

Mineral Extraction

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 operations(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. 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)	9.82 tons fugitive particulate emissions (PE)/yr Use of best available control measures that are sufficient to minimize or eliminate visible emission of fugitive dust [See b)(2)d. through b)(2)e.] Opacity restrictions [See b)(2)f.]
b.	OAC rule 3745-17-08(B)	See b)(2)a.
c.	OAC rule 3745-17-07(B)	See b)(2)b.

(2) Additional Terms and Conditions

a. Hanson Aggregates Midwest, Sandusky Quarry, is not located within an "Appendix A" area as identified 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).



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

c. The mineral extraction operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

Overburden removal, blasting, drilling, and limestone/overburden loading into trucks

d. The permittee shall employ best available control measures for the above-identified mineral extraction operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee has committed to perform the following control measures to ensure compliance

<u>mineral extraction operation</u>	<u>control measure(s)</u>
Overburden removal & reclamation	minimize area of disturbed land surface, reclaim land surface
Blasting	minimize area to be blasted, prevention of overshooting
Drilling	emissions vented to baghouse
Limestone/overburden loading into trucks	prevent haul vehicle overloading, spray shot rock with water in extremely dry conditions

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

e. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit are appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

f. Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from the following mineral extraction operations: overburden removal and reclamation, drilling, and limestone/overburden loading into trucks.

c) Operational Restrictions

- (1) This facility shall perform no more than 322 blasts per year.
- (2) No "contract drilling" may occur at this plant without the facility first certifying, in writing, to the Ohio EPA, Northwest District Office, that the contractor's drilling rig employs reasonable available control measures sufficient to comply with the emission limitations of this permit.
- (3) The permittee shall not process more than 8,064,000 tons of stone per year.

d) Monitoring and/or Recordkeeping Requirements



- (1) Except as otherwise provided in this section, the permittee shall perform inspections of drilling, blasting, and overburden materials at a minimum frequency of once per week.
- (2) The purpose of the inspections is to determine the need for implementing control measures for mineral extraction activities. The inspections shall be performed during representative, normal blasting, drilling, and material removal procedures.
- (3) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- (4) The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented.

The information required d)(5)d. shall be kept separately for (i) the drilling operations, (ii) the blasting operations, and (iii) the material removal operations, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (5) The permittee shall maintain the following monthly records for each blast:
 - a. the date the blast occurred;
 - b. the total number of blasting operations each month; and
 - c. the annual year to date, number of blasts (sum of d)(5)b. for each calendar month to date from January to December)
 - (6) The permittee shall maintain monthly records of the quantity of stone processed at the quarry, in tons per month. For each month, the permittee shall also calculate the annual, year-to-date, amount of stone processed (cumulative total of each month to date from January to December).
- e) Reporting Requirements
- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.



- (2) The permittee shall identify in the PER forms the following information concerning inspection requirements during the 12-month reporting period for this/these emissions unit(s):
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation:
9.82 tons fugitive PE/yr

Applicable Compliance Method:

The annual particulate emission limitations were developed by applying the following emission factors/equations and control efficiencies to the associated process weight rates:

Mineral Extraction Operation	Maximum Process Weight Rate	Control Efficiency	Emission Factor	Emission Factor Citation
Production Stone Removal	8,064,000 tons/year	None Established	0.001 lb/ton removed	AP-42 Table 11.19.2-2, 1/95
Overburden Loading into Trucks by power shovel	326,000 tons/year	None Established	0.037 lb/ton removed	AP-42 Table 11.9-4, 7/98
Waste Loading into Trucks	200,000 tons/year	None Established	0.001 lb/ton removed	AP-42 Table 11.19.2-2, 1/95
Drilling	14,490 holes/year	90%	1.3 lbs/hole	AP-42 Table 11.9-4, 7/98
Blasting	322 blasts/year	None	0.000014 (A) ^{1.5} lb/blast	AP-42 Table 11.9-1, 7/98

- b. Emission Limitation:
Visible PE shall not exceed 20% opacity as a 3-minute average

Applicable Compliance Method:

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

g) Miscellaneous Requirements

- (1) None.



4. F005, Aggregate Processing

Operations, Property and/or Equipment Description:

Aggregate Processing Plant

- 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. b)(1)d., b)(2)b., b)(2)e., f)(1)b. and f)(1)c.
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operations(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. 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)	115.55 tons fugitive particulate emissions (PE)/yr Use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a.] Opacity Restrictions [See b)(2)b.] The requirements of this rule also include compliance with the requirements of 40 CFR 60, Subpart OOO
b.	OAC rule 3745-17-07(B)	See b)(2)d.
c.	OAC rule 3745-17-08(B)	See b)(2)c.
d.	40 CFR Part 60, Subpart OOO	Opacity Restrictions [See b)(2)b.]



(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust from emissions unit F005. If the inherent moisture in the stone is not sufficient to comply with the opacity restrictions of this permit, the permittee shall install equipment to apply water, or any other suitable dust suppressant, at appropriate locations on the line.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- b. Visible particulate emissions from the aggregate processing equipment included under this permit shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Grizzly Feeder to Primary	Transfer Point	10%	OAC Rule 3745-31-05
Feeder to Conveyor C-1	Transfer Point	10%	OAC Rule 3745-31-05
4860 HR Jaw Crusher	Crusher	15%	OAC Rule 3745-31-05
Jaw to Conveyor C-1	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-1 to Conveyor C-2	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-2 to HR 8X20 #1 Screen	Transfer Point	10%	OAC Rule 3745-31-05
HR 8X20 #1 Screen	Screen	10%	OAC Rule 3745-31-05
#1 Screen to Rip Rap Conveyor	Transfer Point	10%	OAC Rule 3745-31-05
#1 Screen to Symons 7' Standard Crusher	Transfer Point	10%	OAC Rule 3745-31-05
#1 Screen to 304 Conveyor	Transfer Point	10%	OAC Rule 3745-31-05
7' Symons Cone Crusher	Crusher	15%	OAC Rule 3745-31-05
7' Cone to Conveyor C-3	Transfer Point	10%	OAC Rule 3745-31-05



Conveyor C-3 to Surge Bin	Transfer Point	10%	OAC Rule 3745-31-05
Surge Bin to Conveyor C-4	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-4 to #2 and #3 Screens	Transfer Point	10%	OAC Rule 3745-31-05
Diester 8X20 #2 Screen	Screen	10%	OAC Rule 3745-31-05
Diester 8X20 #3 Screen	Screen	10%	OAC Rule 3745-31-05
#2 Screen to Hazemag, #3	Transfer Point	10%	NSPS, Subpart 000
#2 Screen to Conveyor C-5	Transfer Point	10%	OAC Rule 3745-31-05
#2 Screen to Conveyor C-4A	Transfer Point	10%	OAC Rule 3745-31-05
#3 Screen to Hazemag, #4	Transfer Point	10%	NSPS, Subpart 000
#3 Screen to Conveyor C-5	Transfer Point	10%	OAC Rule 3745-31-05
#3 Screen to Conveyor C-4A	Transfer Point	10%	OAC Rule 3745-31-05
Hazemag AP51620 Tertiary Crusher CR-3	Crusher	15%	NSPS, Subpart 000
Hazemag AP51620 Tertiary Crusher CR-4	Crusher	15%	NSPS, Subpart 000
Crusher CR-3 to Conveyor C-13	Transfer Point	10%	OAC Rule 3745-31-05
Crusher CR-4 to Conveyor C-13	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-4A to Conveyor C-4B	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-4B to Conveyor C-4C	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-4C to Conveyor C-5	Transfer Point	10%	OAC Rule 3745-31-05



Conveyor C-5 to #4 and #5 Diester 8X20 TD Screens	Transfer Point	10%	OAC Rule 3745-31-05
Diester 8X20 TD #4 Screen	Screen	10%	OAC Rule 3745-31-05
Diester 8X20 TD #5 Screen	Screen	10%	OAC Rule 3745-31-05
#4 Screen to Conveyor C-8	Transfer Point	10%	OAC Rule 3745-31-05
#4 Screen to Conveyor C-25	Transfer Point	10%	OAC Rule 3745-31-05
#4 Screen to Conveyor C-21	Transfer Point	10%	OAC Rule 3745-31-05
#4 Screen to Conveyor C-6	Transfer Point	10%	OAC Rule 3745-31-05
#5 Screen to Conveyor C-8	Transfer Point	10%	OAC Rule 3745-31-05
#5 Screen to Conveyor C-7	Transfer Point	10%	OAC Rule 3745-31-05
#5 Screen to Conveyor C-21	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-25 to 4's Stacker	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-21 to Conveyor C-9	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-8 to Bin/Feeder	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-7 to #8 & #9 Screens	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-6 to #6 & #7 Screens	Transfer Point	10%	OAC Rule 3745-31-05
HR 8X20 TD #6 Screen	Screen	10%	OAC Rule 3745-31-05
HR 8X20 TD #7 Screen	Screen	10%	OAC Rule 3745-31-05
#6 Screen to Conveyor C-16	Transfer Point	10%	OAC Rule 3745-31-05



#6 Screen to Conveyor C-19	Transfer Point	10%	OAC Rule 3745-31-05
#6 Screen to Conveyor C-20	Transfer Point	10%	OAC Rule 3745-31-05
#7 Screen to Conveyor C-16	Transfer Point	10%	OAC Rule 3745-31-05
#7 Screen to Conveyor C-19	Transfer Point	10%	OAC Rule 3745-31-05
#7 Screen to Conveyor C-20	Transfer Point	10%	OAC Rule 3745-31-05
#7 Screen to Bin	Transfer Point	10%	OAC Rule 3745-31-05
HR 8X20 TD #8 Screen	Screen	10%	OAC Rule 3745-31-05
HR 8X20 TD #9 Screen	Screen	10%	OAC Rule 3745-31-05
#8 Screen to Conveyor C-36	Transfer Point	10%	OAC Rule 3745-31-05
#8 Screen to Conveyor C-18	Transfer Point	10%	OAC Rule 3745-31-05
#8 Screen to Conveyor C-20	Transfer Point	10%	OAC Rule 3745-31-05
#9 Screen to Conveyor C-36	Transfer Point	10%	OAC Rule 3745-31-05
#9 Screen to Conveyor C-20A	Transfer Point	10%	OAC Rule 3745-31-05
#9 Screen to Conveyor C-20A	Transfer Point	10%	OAC Rule 3745-31-05
#9 Screen to Bin	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-19 to Conveyor C-11	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-16 to Bin	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-9 to Conveyor C-20	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-18 to Conveyor C-10	Transfer Point	10%	OAC Rule 3745-31-05



Conveyor C-20A to Conveyor C-10	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-10 to #10 Screen	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-11 to #11 Screen	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-8 to Bin/Feeder	Transfer Point	10%	OAC Rule 3745-31-05
Bin/Feeder to 7' SH East Cone Crusher	Transfer Point	10%	OAC Rule 3745-31-05
CR-5 Crusher to Conveyor C-13	Transfer Point	10%	OAC Rule 3745-31-05
Bin/Feeder to 7' SH West Cone Crusher	Transfer Point	10%	OAC Rule 3745-31-05
CR-6 Crusher to Conveyor C-14	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-14 to Conveyor C-5	Transfer Point	10%	OAC Rule 3745-31-05
Symons 7' SH Cone Crusher CR-5	Crusher	15%	OAC Rule 3745-31-05
Symons 7' SH Cone Crusher CR-6	Crusher	15%	OAC Rule 3745-31-05
Conveyor C-36 to Cemco VSI Crusher	Transfer Point	10%	NSPS, Subpart 000
Cemco VSI Crusher CR-7	Crusher	15%	NSPS, Subpart 000
VSI Crusher to Conveyor C-37	Transfer Point	10%	NSPS, Subpart 000
Conveyor C-37 to Conveyor C-30	Transfer Point	10%	NSPS, Subpart 000
Conveyor C-18A to Conveyor C-30	Transfer Point	10%	NSPS, Subpart 000
Bins to Conveyor C-29	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-20 to Twin 6X18 PEP	Transfer Point	10%	OAC Rule 3745-31-05



Screens			
6X18 PEP Screen #14	Screen	10%	NSPS, Subpart 000
6X18 PEP Screen #15	Screen	10%	NSPS, Subpart 000
Auxiliary Conveyor #1	Transfer Point	10%	NSPS, Subpart 000
Auxiliary Conveyor #2	Transfer Point	10%	NSPS, Subpart 000
Auxiliary Conveyor #3	Transfer Point	10%	NSPS, Subpart 000
Conveyor C-20 to Conveyor C-33A	Transfer Point	10%	NSPS, Subpart 000
Conveyor C-33A to Conveyor C-33B	Transfer Point	10%	NSPS, Subpart 000
Conveyor C-33B to #13 Screen	Transfer Point	10%	NSPS, Subpart 000
#13 Screen	Screen	10%	NSPS, Subpart 000
#13 Screen to Bin	Transfer Point	10%	NSPS, Subpart 000
#13 Screen to Bin	Transfer Point	10%	NSPS, Subpart 000
#13 Screen to Conveyor C-26	Transfer Point	10%	NSPS, Subpart 000
Conveyor C-26 to Bin	Transfer Point	10%	NSPS, Subpart 000
#14 & #15 Screens to Conveyor C-22	Transfer Point	10%	OAC Rule 3745-31-05
#14 & #15 Screens to Conveyor C-23	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-22 to Bin	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-23 to Bin	Transfer Point	10%	OAC Rule 3745-31-05



Note: Compliance with the opacity restrictions for these emissions points shall be achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup.

- c. Hanson Aggregates Midwest, Sandusky Quarry, is not located within an "Appendix A" area as identified 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).
- d. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- e. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements for 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

- (1) The maximum annual aggregate throughput for this emissions unit shall not exceed 8,024,000 tons. This restriction is based on the aggregate throughput of the grizzly feeders.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information each month for emissions unit F005:
 - a. The total tons per month of material processed through the primary crusher of emissions unit F005.
 - b. The annual, year to date tons of material processed through the primary crusher of emissions unit F005 (sum of d)(1)a. for each calendar month to date from January to December).
- (2) Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following frequencies:

<u>Material Handling Operation(s)</u>	<u>Minimum Inspection Frequency</u>
aggregate processing including crushing, screening, conveying	daily

- (3) The above mentioned inspections shall be performed during representative, normal operating conditions.
- (4) The permittee may, upon receipt of written approval from the Ohio EPA Northwest District Office, modify the above mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above mentioned applicable requirements.



- (5) The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was/were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was/were implemented.

The information in d)(5)d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.
- (2) The permittee shall identify in the PER forms the following information concerning inspection requirements during the 12-month reporting period for this/these emissions unit(s):
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitations:
115.55 tons PE per year

Applicable Compliance Method:
The permittee shall demonstrate compliance by multiplying the actual material throughput with the appropriate AP-42 emission factors, Section 11.19.2 (1/95).
 - b. Emission Limitation:
Visible PE shall not exceed 10% opacity for transfer points and screens



Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 9 as set forth in “Appendix on Test Methods” in 40 CFR Part 60 (“Standards of Performance for New Stationary Sources”).

c. Emission Limitation:

Visible PE shall not exceed 15% opacity for crushers

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 9 as set forth in “Appendix on Test Methods” in 40 CFR Part 60 (“Standards of Performance for New Stationary Sources”).

(2) Emission Testing Requirements:

- a. The permittee shall conduct, or have conducted, emission testing for all transfer points, screens, and crushers of emission units F005.

Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.

- b. The emission testing shall be conducted at such times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.
- c. The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates: Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
- d. The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an “Intent to Test” notification to the Ohio EPA, Division of Air Pollution Control. The “Intent to Test” notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office’s air agency’s refusal to accept the results of the emission tests.
- f. Personnel from the Ohio EPA District Office’s air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the



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tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.

- g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

g) Miscellaneous Requirements

- (1) None.



5. P001, Fine Grind Plant-South Mill

Operations, Property and/or Equipment Description:

South System Mill - Fine Grind Plant

- 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 operations(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. 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)	Control requirements [See b)(2)b.] 2.74 pounds particulate emissions (PE) per hour and 12.00 tons PE per year 11.0 pounds organic compounds (OC) per hour and 48.2 tons OC per year Visible particulate emissions shall not exceed 10 percent opacity, as a six minute average.
b.	OAC rule 3745-17-07(A)	See b)(2)a.
c.	OAC rule 3745-17-11(B)	See b)(2)a.

- (2) Additional Terms and Conditions
 - a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).



- b. Best Available Technology (BAT) for this emissions unit has been determined to be use of a baghouse control system with a maximum outlet concentration of 0.02 grains PE/dry standard cubic foot.
- c) Operational Restrictions
 - (1) The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.
- e) Reporting Requirements
 - (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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 emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:
2.74 pounds PE per hour
12.00 tons PE per year

Applicable Compliance Method:
The permittee shall demonstrate compliance by multiplying a maximum grain loading of 0.02 grains per standard cubic foot with a maximum baghouse volumetric flow rate of 16,000 ft³ per minute and converting by multiplying with 60 minutes per hour and dividing by 7000 grains per pound. If required, compliance with the hourly rate shall be demonstrated through stack testing using methods and procedures as specified in 40 CFR Part 60, Appendix A, Methods 1-5.

The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8760 hours/year, and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - b. Emission Limitation:
11.0 pounds OC per hour
48.2 tons OC per year



Applicable Compliance Method:

The pounds per hour emissions limitation is based on results obtained from stack testing of this source on September 14, 2004. If required, the permittee shall demonstrate compliance with the pound per hour limitation through stack testing using Methods 1-4 and 18, 25 or 25A of 40 CFR Part 60, Appendix A.

The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8760 hours/year, and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:

Visible particulate emissions shall not exceed 10 percent opacity, as a six-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

- (1) None.



6. P002, Fine Grind Plant-North Mill

Operations, Property and/or Equipment Description:

North System Mill - Fine Grind Plant

- 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 operations(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. 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)	Control requirements [See b)(2)b.] 2.96 pounds particulate emissions (PE) per hour and 12.96 tons PE per year 9.0 pounds organic compounds (OC) per hour and 39.4 tons OC per year Visible particulate emissions shall not exceed 10 percent opacity, as a six minute average.
b.	OAC rule 3745-17-07(A)	See b)(2)a.
c.	OAC rule 3745-17-11(B)	See b)(2)a.

- (2) Additional Terms and Conditions
 - a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).



- b. Best Available Technology (BAT) for this emissions unit has been determined to be use of a baghouse control system with a maximum outlet concentration of 0.02 grains PE/dry standard cubic foot.
- c) Operational Restrictions
 - (1) The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.
- e) Reporting Requirements
 - (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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 emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:
2.96 pounds PE per hour
12.96 tons PE per year

Applicable Compliance Method:
The permittee shall demonstrate compliance by multiplying the maximum grain loading of 0.02 grains per standard cubic foot from the baghouse exhaust and a maximum volumetric flow rate of 17,288 ft³ per minute and converting by multiplying 60 minutes per hour and dividing by 7000 grains per pound. If required, compliance with the hourly rate shall be demonstrated through the stack testing using methods and procedures as specified in 40 CFR Part 60, Appendix A, Methods 1-5.

The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8760 hours/year, and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - b. Emission Limitation:
9.0 pounds OC per hour



39.2 tons OC per year

Applicable Compliance Method:

The pounds per hour emissions limitation is based on results obtained from stack testing of this source on September 14, 2004. If required, the permittee shall demonstrate compliance with the pound per hour limitation through stack testing using Methods 1-4 and 18, 25 or 25A of 40 CFR Part 60, Appendix A.

The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8760 hours/year, and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:

Visible particulate emissions shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.



7. P902, Bin and Truck Loading

Operations, Property and/or Equipment Description:

Bin and Truck Loading - Fine Grind Plant

- 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 operations(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. 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)	Control requirements [See b)(2)a.] <u>Stack Emissions:</u> Visible particulate emissions shall not exceed 0% as a six-minute average from baghouse stack exhausts Emission limitations [See b)(2)b.] <u>Fugitive Emissions:</u> best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)c.] 0.05 ton fugitive PE/yr from truck loading (product & waste material) Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		minute average
b.	OAC rule 3745-17-07(A)	See b)(2)d.
c.	OAC rule 3745-17-11(B)	See b)(2)d.
d.	OAC rule 3745-17-08(B)	See b)(2)e.
e.	OAC rule 3745-17-07(B)	See b)(2)f.

(2) Additional Terms and Conditions

- a. Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.02 gr/dscf (control system will consists of 4 baghouses).
- b. The emission limitations for stack exhausts from emissions unit P902 shall not exceed the following:
 - i. PE from the baghouse controlling product & weigh bin designated as Load 1 South shall not exceed 0.17 lb PE/hr.
 - ii. PE from the baghouse controlling product & weigh bin designated as Load 2 North shall not exceed 0.17 lb PE/hr.
 - iii. PE from the two baghouses controlling the waste silo bin and truck loading operation shall not exceed 0.22 lb PE/hr.
 - iv. PE from all baghouses shall not exceed 2.45 tons PE/yr.
- c. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust has been determined to be use of a telescoping chute for truck loading of waste material.
- d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- e. Hanson Aggregates Midwest facility is not located within an "Appendix A" area as identified 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)(1).
- f. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

c) Operational Restrictions

- (1) The maximum annual material throughput for this emission unit shall not exceed 481,800 tons. This restriction is based on the combined material throughput for all three truck loading spouts.
- (2) The pressure drop across each baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.



d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information each month for emissions unit P902:
 - a. The total tons per month of material processed through all three truck loading spouts.
 - b. The annual, year to date, tons of material processed through all three truck loading spouts (sum of d)(1)a. for each calendar month to date from January to December).
- (2) The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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 emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

PE from the baghouse controlling product & weigh bin designated as Load 1 South shall not exceed 0.17 lb PE/hr.

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying the maximum outlet concentration of 0.02 grains per standard cubic foot from the baghouse exhaust, a maximum volumetric flow rate of 1000 ft³ per minute, 60 minutes per hour and dividing by 7000 grains per pound. If required, compliance with the hourly rate shall be demonstrated through the stack testing using methods and procedures as specified in 40 CFR Part 60, Appendix A, Methods 1-5.

b. Emission Limitation:

PE from the baghouse controlling product & weigh bin designated as Load 2 North shall not exceed 0.17 lb PE/hr.

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying the maximum outlet concentration of 0.02 grains per standard cubic foot from the baghouse exhaust,



a maximum volumetric flow rate of 1000 ft³ per minute, 60 minutes per hour and dividing by 7000 grains per pound. If required, compliance with the hourly rate shall be demonstrated through the stack testing using methods and procedures as specified in 40 CFR Part 60, Appendix A, Methods 1-5.

c. Emission Limitation:

PE from the two baghouses controlling the waste silo bin and truck loading operation shall not exceed 0.22 lb PE/hr.

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying the maximum outlet concentration of 0.02 grains per standard cubic foot from the baghouse exhaust, a maximum combined volumetric flow rate of 1300 ft³ per minute, 60 minutes per hour and dividing by 7000 grains per pound. If required, compliance with the hourly rate shall be demonstrated through the stack testing using methods and procedures as specified in 40 CFR Part 60, Appendix A, Methods 1-5.

d. Emission Limitation:

PE from all baghouses shall not exceed 2.45 tons PE/yr.

Applicable Compliance Method:

The tons per year limitation was developed by adding all the pound per hour emission limitations (0.17 lb/hr + 0.17 lb/hr + 0.22 lb/hr = 0.56 lb/hr) and multiplying by the maximum operating schedule of 8760 hours/year, and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitation.

e. Emission Limitation:

0.05 ton fugitive PE/yr from truck loading (product & waste material)

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.00021 lb PE/ton (Table 11.19.2-2, 1/95), actual material throughput per year, and dividing by 2000 lb/ton.

f. Emission Limitation:

Visible PE shall not exceed 0% from stack emissions as a six-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A.

g. Emission Limitation:

Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the



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modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) None.