



6/6/2014

Certified Mail

Mary Woodley  
HANSON AGGREGATES DAVON INC EAGLE CRUSHE  
1136 Morgantown Rd.  
Russellville, KY 42276

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE  
Facility ID: 0708000065  
Permit Number: P0117010  
Permit Type: Administrative Modification  
County: Brown

Dear Permit Holder:

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

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

**How to appeal this permit**

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

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

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

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

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

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

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

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

If you have any questions, please contact Portsmouth City Health Dept., Air Pollution Unit at (740)353-5156 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



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

Cc: Portsmouth



**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for**

**HANSON AGGREGATES DAVON INC EAGLE CRUSHE**

Facility ID:	0708000065
Permit Number:	P0117010
Permit Type:	Administrative Modification
Issued:	6/6/2014
Effective:	6/6/2014
Expiration:	2/14/2022





**Division of Air Pollution Control**  
**Permit-to-Install and Operate**  
for  
HANSON AGGREGATES DAVON INC EAGLE CRUSHE

**Table of Contents**

Authorization .....	1
A. Standard Terms and Conditions .....	3
1. What does this permit-to-install and operate ("PTIO") allow me to do?.....	4
2. Who is responsible for complying with this permit? .....	4
3. What records must I keep under this permit? .....	4
4. What are my permit fees and when do I pay them?.....	4
5. When does my PTIO expire, and when do I need to submit my renewal application? .....	4
6. What happens to this permit if my project is delayed or I do not install or modify my source? .....	5
7. What reports must I submit under this permit? .....	5
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? .....	5
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? ...	5
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? .....	6
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? .....	6
12. What happens if one or more emissions units operated under this permit is/are shut down permanently? .....	6
13. Can I transfer this permit to a new owner or operator?.....	7
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? .....	7
15. What happens if a portion of this permit is determined to be invalid? .....	7
B. Facility-Wide Terms and Conditions.....	8
C. Emissions Unit Terms and Conditions .....	10
1. F004, Aggregate Crushing, Screening, Conveying.....	11





## Authorization

Facility ID: 0708000065  
Application Number(s): M0002816  
Permit Number: P0117010  
Permit Description: Agency-initiated Administrative Modification to permit P0116175 for emissions unit F004 to correct the permit expiration date.  
Permit Type: Administrative Modification  
Permit Fee: \$0.00  
Issue Date: 6/6/2014  
Effective Date: 6/6/2014  
Expiration Date: 2/14/2022  
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

HANSON AGGREGATES DAVON INC EAGLE CRUSHE  
13526 OVERSTAKE ROAD  
Winchester, OH 45697

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

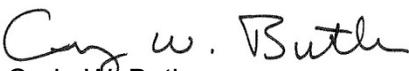
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Portsmouth City Health Dept., Air Pollution Unit  
605 Washington Street  
3rd Floor  
Portsmouth, OH 45662  
(740)353-5156

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

  
Craig W. Butler  
Director



**Final Permit-to-Install and Operate**  
HANSON AGGREGATES DAVON INC EAGLE CRUSHE  
**Permit Number:** P0117010  
**Facility ID:** 0708000065  
**Effective Date:** 6/6/2014

## Authorization (continued)

**Permit Number:** P0117010  
**Permit Description:** Agency-initiated Administrative Modification to permit P0116175 for emissions unit F004 to correct the permit expiration date.

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

<b>Emissions Unit ID:</b>	<b>F004</b>
Company Equipment ID:	Aggregate Crushing, Screening, Conveying
Superseded Permit Number:	P0116175
General Permit Category and Type:	Not Applicable



**Final Permit-to-Install and Operate**  
HANSON AGGREGATES DAVON INC EAGLE CRUSHE  
**Permit Number:** P0117010  
**Facility ID:** 0708000065  
**Effective Date:** 6/6/2014

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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



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



1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
  - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
    - (1) None.
  - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
    - (1) None.



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



**1. F004, Aggregate Crushing, Screening, Conveying**

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

Aggregate Processing Plant with 45 conveyors, 5 crushers, 7 screens and 5 feeders with a baghouse controlling 1 conveyor (C15), 1 crusher (CR3) and 1 screen (S4). Added four conveyors and one screen.

Agency initiated administrative modification to permit P0116175 to correct the permit expiration date only.

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	ORC 3704.03 (T)	See b)(2)a. through c.
b.	40 CFR Part 60, Subpart OOO	Opacity Restrictions [See b)(2)d.]  The owner or operator must meet a particulate matter (PM) limit of 0.014 gr/dscf from the baghouse.
c.	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the opacity limitation for the baghouse established pursuant to 40 CFR part 60 Subpart OOO.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
d.	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the baghouse limit established pursuant to 40 CFR part 60 Subpart OOO.
e.	OAC rule 3745-17-07(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).
f.	OAC rule 3745-17-08(B)	The permittee 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 3745-17-07(B).

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) requirements under ORC 3704.03(T) have been determined to be the following work practice standards.

Operation	Work Practice
Loading(truck dumping into a feeder, hopper, or crusher)	Maintain low drop heights
Plant conveyors & transfer points	Maintain low drop heights; maintain or apply sufficient water* to adequately control the fugitive dust emissions or use of a baghouse
Screening	Maintain low drop heights; maintain or apply sufficient water* to adequately control the fugitive dust emissions or use of a baghouse
Crushing	Maintain low drop heights; maintain or apply sufficient water* to adequately control the fugitive dust emissions or use of a baghouse

\*Except for periods when freezing temperatures prohibit use of water spray

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



- b. For each material handling operation that is not adequately enclosed, the above identified control measures shall be implemented if the permittee determines, as a result of an inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements.
- c. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of ORC 3704.03(T).
- d. Visible fugitive emissions from the material processing/handling operation shall not exceed the following opacity limitations:

Emissions Point (Company ID and Equipment no.)	Equipment Type	Opacity Limit (as a 6-minute average)	Regulatory Basis for Limit
<b>Shale Recovery Line</b>			
47x17.5 Wf (PF2)	Transfer Point	10%	NSPS, Subpart 000
Lippman 42x48 jaw (CR1)	Crusher	15%	NSPS, Subpart 000
Conveyor- under wobbler feeder(C1)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor- to deshale scalping screen(C2A)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-material to deshale scalper (C2B)	Transfer Point	7 %	NSPS, Subpart 000
Conveyor-to new shale screen(C2)	Transfer Point	10 %	NSPS, Subpart 000
Scalping screen(S1)	Screen	10 %	NSPS, Subpart 000
Conveyor- to old shale screen(C3)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor - shale pickup(C4)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor- to shale stacker (C5)	Transfer Point	10 %	NSPS, Subpart 000



Conveyor - return to C10 (C6)	Transfer Point	10 %	NSPS, Subpart 000
Stedman 4860 HSI (CR2)	Crusher	15%	NSPS, Subpart 000
Simplicity screen (S2)	Screen	10 %	NSPS, Subpart 000
Conveyor-under jaw belt (C9)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-secondary feed (C10)	Transfer Point	10 %	NSPS, Subpart 000
Simplicity screen-2 deck (S3)	Screen	7 %	NSPS, Subpart 000
Conveyor-new screen to crusher (C7)	Transfer Point	7 %	NSPS, Subpart 000
Conveyor shale waste (C8)	Transfer Point	7 %	NSPS, Subpart 000
<b>Secondary Line</b>			
Scalping screen (S4)	Baghouse stack	7 %	NSPS, Subpart 000
Conveyor-D cross (C11)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-D stacker (C12)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-2 trans (C13)	Transfer Point	10 %	NSPS, Subpart 000
Cone crusher (CR3)	Baghouse stack	7%	NSPS, Subpart 000
Feeder (SF1)	Transfer Point	10 %	NSPS, Subpart 000
Feeder (SF2)	Transfer Point	10 %	NSPS, Subpart 000
Feeder (SF3)	Transfer Point	10 %	NSPS, Subpart 000
Feeder (SF4)	Transfer Point	10 %	NSPS, Subpart 000
Feeder (SF5)	Transfer Point	10 %	NSPS, Subpart 000



Conveyor-pickup conveyor (C15)	Baghouse stack	7 %	NSPS, Subpart 000
Conveyor-surge stacker (C16)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor- tunnel belt (C17)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-sizing tower (C18)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-2 stacker (C14)	Transfer Point	10 %	NSPS, Subpart 000
Screen (S5)	Screen	10 %	NSPS, Subpart 000
Screen (S6)	Screen	10 %	NSPS, Subpart 000
Conveyor-21 sizing screen pickup (C21)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-22 sizing screen pickup (C22)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-C23 to C24 (C23)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-dry transfer (C24)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-dry stacker (C25)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-surge tank (C26)	Transfer Point	10 %	NSPS, Subpart 000
Cone crusher (CR4)	Crusher	15%	NSPS, Subpart 000
Cone crusher (CR5)	Crusher	15%	NSPS, Subpart 000
Conveyor-ISC belt (C27)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-cone belt (C28)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-return to C18 (C29)	Transfer Point	10 %	NSPS, Subpart 000



Conveyor-middle cross (C19)	Transfer Point	7 %	NSPS, Subpart 000
Conveyor-lower cross to C34 or C23 (C20)	Transfer Point	7 %	NSPS, Subpart 000
Conveyor-2 <sup>nd</sup> transfer to C24 (C33)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-lime conveyor (C32)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-top oversize cross belt (C31)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-NA conveyor to 54 EKP cross (C30)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-to log washer (C34)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-to blade mill (C35)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor-4's to S4 (C37)	Transfer Point	10 %	NSPS, Subpart 000
Conveyor- cone pickup (C52)	Transfer Point	7 %	NSPS, Subpart 000
Conveyor-EKP stacker (C53)	Transfer Point	7 %	NSPS, Subpart 000
Conveyor- EKP transfer C24 or stacker (C54)	Transfer Point	7 %	NSPS, Subpart 000
Conveyor (C59)	Transfer Point	7%	NSPS, Subpart 000
Conveyor (C60)	Transfer Point	7%	NSPS, Subpart 000
Conveyor (C61)	Transfer Point	7%	NSPS, Subpart 000



Conveyor (C62)	Transfer Point	7%	NSPS, Subpart 000
Screen (S10)	Screen	7%	NSPS, Subpart 000

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when each piece of crushing equipment is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from each crushing, screening and conveying operation. 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. whether the emissions are representative of normal operations;
- b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
- c. the estimated total duration of any visible emissions incident; and
- d. any corrective actions taken to eliminate the visible emissions.

The log shall be maintained on-site and available upon request by Ohio EPA representatives

(2) The permittee shall properly operate and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

The acceptable pressure drop shall be based upon the manufacturer's specifications and between 4-6 inches of water as established during the last performance test.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;



- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- f. a description of the corrective action;
- g. the date corrective action was completed;
- h. the date and time the deviation ended;
- i. the total period of time (in minutes) during which there was a deviation;
- j. the pressure drop readings immediately after the corrective action was implemented; and
- k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the Portsmouth Local Air Agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

- (3) When using a wet suppression system to control fugitive dust, the permittee shall perform monthly periodic inspections for each piece of equipment constructed, modified, or reconstructed on or after April 22, 2008, to check that water is flowing to the discharge spray nozzles. The permittee must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if water is not flowing properly during an inspection of the water spray nozzles. The permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under d)(6).
- (4) If the permittee, meeting the requirements of d)(3) above, ceases operation of the water sprays or is using a control mechanism other than water sprays to reduce fugitive dust emissions during the monthly inspection (for example, water from recent rainfall), the



logbook entry required under d)(6) must specify the control mechanism being used instead of the water sprays.

- (5) When using a baghouse to control emissions, the permittee must conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR part 60, Appendix A-7) for each baghouse constructed, modified, or reconstructed on or after April 22, 2008. The Method 22 (40 CFR part 60, Appendix A-7) test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner or operator must record each Method 22 (40 CFR part 60, Appendix A-7) test, including the date and any corrective actions taken, in the logbook required under d)(6).

The owner or operator of the affected facility may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test simultaneously with a Method 22 (40 CFR part 60, Appendix A-7) to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in b)(1)b. The revised visible emissions success level must be incorporated into the permit for the affected facility.

- (6) The permittee must record each periodic inspection required under d)(3), d)(4) and d)(5), including dates and any corrective actions taken, in a logbook (in written or electronic format). The permittee must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Ohio EPA upon request.

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. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- (2) The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this/these emissions unit(s):
  - a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the range;
  - b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;



- c. each incident of deviation described in “a” (above) where a prompt investigation was not conducted;
  - d. each incident of deviation described in “a” where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
  - e. each incident of deviation described in “a” where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.
- (3) The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the water spray system during the 12-month reporting period for this/these emissions unit(s):
- a. any period of time when the water spray system was not in operation while aggregate was being processed and;
  - b. each day during which an inspection was not performed by the required frequency; and
  - c. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
- (4) The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
- a. For a crusher:
    - i. The rated capacity in tons per hour of the existing facility being replaced, and
    - ii. The rated capacity in tons per hour of the replacement equipment.
  - b. For a screening operation:
    - i. The total surface area of the top screen of the existing screening operation being replaced, and
    - ii. The total surface area of the top screen of the replacement screening operation.
  - c. For a conveyor belt:
    - i. The width of the existing belt being replaced, and
    - ii. The width of the replacement conveyor belt.
  - d. For a storage bin;
    - i. The rated capacity in tons of the existing storage bin being replaced, and



- ii. The rated capacity in tons of the replacement storage bins.

The notification shall be submitted to the Portsmouth Local Air Agency within 30 days after the equipment replacement.

- (5) The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart as specified in f)(2). below.

f) Testing Requirements

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

- a. Emission Limitation:

The owner or operator must meet a particulate matter (PM) limit of 0.014 gr/dscf from the baghouse.

Applicable Compliance Method:

Compliance with this emission limitation was demonstrated through emission testing performed in August 2012.

If required, compliance shall be demonstrated in accordance with the procedures in 40 CFR Part 60, Method 1 through 5, and the methods and procedures required in OAC rule 3745-17-03(B)(10).

- b. Emission Limitation:

Visible PE limitations identified in sections b)(2)d.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in f)(2). The Method 9 testing shall be conducted for the new conveyors and screen.

- (2) Emissions Testing Requirements

The permittee shall conduct, or have conducted, visible emission testing for all fugitive emission points of this emissions unit, that are subject to 40 CFR Part 60, subpart OOO.

Visible emissions testing is not required for wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process "saturated material" in the production line, as defined in 60.671, up to, but not including the first crusher, grinding mill or storage bin. The permittee shall notify the Portsmouth Local Air Agency within 30 days following any change to the operations that causes the aggregate material to no longer meet this definition and the screening operations, bucket elevators,



and belt conveyors shall become subject to the opacity standard in 40 CFR 60.672(b) and subsequent opacity testing.

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.

The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Portsmouth Local Air Agency.

The following test method(s) shall be employed to demonstrate compliance with the allowable visible emission rates:

- a. Method 9 of 40 CFR Part 60, Appendix A, shall be used to determine opacity.

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

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Portsmouth Local Air Agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Portsmouth Local Air Agency's refusal to accept the results of the emission test(s).

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

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Portsmouth Local Air Agency within 30 days following completion of the test(s). The permittee may request additional time for the submission of the written report, where warranted, with prior approval from the Portsmouth Local Air Agency.

g) Miscellaneous Requirements

- (1) None.