



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

9/15/2016

Certified Mail

Mr. Mike Turnbull  
GLENN HUNTER AND ASSOCIATES  
1222 County Road #6  
Delta, OH 43515

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	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: 0326000074  
Permit Number: P0120433  
Permit Type: Administrative Modification  
County: Fulton

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**
- **What should you do if you notice a spill or environmental emergency?**

**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.

## **What should you do if you notice a spill or environmental emergency?**

Any spill or environmental emergency which may endanger human health or the environment should be reported to the Emergency Response 24-HOUR EMERGENCY SPILL HOTLINE toll-free at (800) 282-9378. Report non-emergency complaints to the appropriate district office or local air agency.

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

Sincerely,



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

Cc: Ohio EPA-NWDO



**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
GLENN HUNTER AND ASSOCIATES**

Facility ID:	0326000074
Permit Number:	P0120433
Permit Type:	Administrative Modification
Issued:	9/15/2016
Effective:	9/15/2016
Expiration:	12/28/2021





**Division of Air Pollution Control**  
**Permit-to-Install and Operate**  
for  
**GLENN HUNTER AND ASSOCIATES**

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**Final Permit-to-Install and Operate**  
GLENN HUNTER AND ASSOCIATES  
**Permit Number:** P0120433  
**Facility ID:** 0326000074  
**Effective Date:** 9/15/2016

## Authorization

Facility ID: 0326000074  
Application Number(s): M0003863  
Permit Number: P0120433  
Permit Description: Administrative permit modification to PTIO P0108766, issued on December 28, 2011 to incorporate the requirements of 40 CFR Part 60, Subparts OOO and UUU.  
Permit Type: Administrative Modification  
Permit Fee: \$1,850.00  
Issue Date: 9/15/2016  
Effective Date: 9/15/2016  
Expiration Date: 12/28/2021  
Permit Evaluation Report (PER) Annual Date: Oct 1 - Sept 30, Due Nov 15

This document constitutes issuance to:

GLENN HUNTER AND ASSOCIATES  
1286 County Road 6  
Delta, OH 43515

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

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

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

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

  
Craig W. Butler  
Director



## Authorization (continued)

Permit Number: P0120433

Permit Description: Administrative permit modification to PTIO P0108766, issued on December 28, 2011 to incorporate the requirements of 40 CFR Part 60, Subparts OOO and UUU.

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>F001</b>
Company Equipment ID:	F001
Superseded Permit Number:	P0108766
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>F003</b>
Company Equipment ID:	F003
Superseded Permit Number:	P0108766
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>F006</b>
Company Equipment ID:	F006
Superseded Permit Number:	P0108766
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>F007</b>
Company Equipment ID:	F007
Superseded Permit Number:	P0108766
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>P901</b>
Company Equipment ID:	P901
Superseded Permit Number:	P0108766
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>P902</b>
Company Equipment ID:	P902
Superseded Permit Number:	P0108766
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>P903</b>
Company Equipment ID:	P903
Superseded Permit Number:	P0108766
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>P904</b>
Company Equipment ID:	P904
Superseded Permit Number:	P0108766
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>P905</b>
Company Equipment ID:	F002
Superseded Permit Number:	P0108766
General Permit Category and Type:	Not Applicable



**Final Permit-to-Install and Operate**  
GLENN HUNTER AND ASSOCIATES  
**Permit Number:** P0120433  
**Facility ID:** 0326000074  
**Effective Date:** 9/15/2016

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



**Final Permit-to-Install and Operate**  
GLENN HUNTER AND ASSOCIATES  
**Permit Number:** P0120433  
**Facility ID:** 0326000074  
**Effective Date:** 9/15/2016

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

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
  - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
    - (1) None.
  - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
    - (1) None.
2. The permittee is advised that this facility may be subject to the "Generally Available Control Technology" (GACT) requirements under Title 40 of the Code of Regulations, Part 63, Subpart ZZZZ, the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines. At this time the Ohio EPA is not accepting the delegating authority to enforce the standards promulgated under the Urban Air Toxics Strategy. The requirements of this rule, that are applicable to the area source(s) (for hazardous air pollutants) identified in this permit, shall be enforceable by U.S. EPA. Region 5. The complete requirements of this Subpart (including the Part 63 General Provisions) may be accessed via the Internet from the Electronic code of Federal Regulations (e-CFR) website <http://www.ecfr.gov/> or by contacting the appropriate Ohio EPA District Office or Local Air Agency.



**Final Permit-to-Install and Operate**  
GLENN HUNTER AND ASSOCIATES  
**Permit Number:** P0120433  
**Facility ID:** 0326000074  
**Effective Date:** 9/15/2016

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

**1. F001, F001**

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

Inside Bagger/Sewing machine

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	0.02 ton fugitive particulate emissions (PE) /year  See b)(2)a., b)(2)b. and b)(2)c.
b.	OAC rule 3745-17-07(B)	See b)(2)d.
c.	OAC rule 3745-17-08(B)	See b)(2)e.
d.	40 CFR, Part 60, Subpart OOO (40 CFR 60.670-60.676)  [In accordance with 40 CFR 60.670(a), this emissions unit is comprised of belt conveyors and bagging operations that are affected facilities subject to the emission limitations and requirements specified in this section.]	Visible emission restrictions  See b)(2)f.

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) control requirements for this emissions unit has been determined to be use of a building enclosure for control of fugitive emissions.
- b. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO.
- c. Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.
- 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 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. Visible fugitive emissions from building openings (except for vents as defined in 60.671) shall not exceed 7% opacity as a 6-minute average.

c) Operational Restrictions

- (1) The permittee shall not exceed a material processing (i.e. bagging) throughput of 51,100 tons per year for this emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the amount of material in this emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year.
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(2)d above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit).

With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (2) The permittee shall identify in the annual permit evaluation report the following information in accordance with the requirements in d)(1) and d)(2) above during the 12-month reporting period for this emissions unit:
  - a. the total material throughput, in tons, for the previous calendar year;
  - b. all days during which any visible fugitive particulate emissions were observed from the operations associated with this emissions unit; and
  - c. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.
- (3) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (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 conveyor belt:
    - i. the width of the existing belt being replaced; and
    - ii. the width of the replacement conveyor belt.
- (5) The notification shall be submitted to the appropriate District Office (DO) or Local Air Agency (LAA) within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
  - a. actual start-up date (within 15 days after such date); and
  - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to appropriate DO or LAA.

The addresses for these offices are located at the following web page:

<http://www.epa.ohio.gov/dapc/general/dolaa.aspx>.

f) Testing Requirements

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

a. Emission Limitation:  
 0.02 ton fugitive PE /yr

Applicable Compliance Method:

The annual fugitive dust emission limitation was developed by multiplying the following emission factors from Ap-42 Section 11.19.2-2 (8/04) by the annual throughput restriction of 51,100 tons/year, apply a 90% control for use of building enclosure, and then dividing by 2000 pounds/ton:

<b>Aggregate Processing Operation</b>	<b>PE Emission Factor</b>
loading	0.000016 lb/ton processed
2 transfer points	0.003 lb/ton processed

Provided compliance is shown with the operational restriction of this permit, compliance with the annual emission limitation shall also be demonstrated.

b. Emission Limitation:  
 Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

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

c. Emission Limitation:  
 Visible fugitive emissions from building openings (except for vents as defined in 60.671) must not exceed 7% opacity as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675[See f)(2)].

(2) The permittee shall conduct, or have conducted, testing for affected facilities, that are subject to 40 CFR Part 60, Subpart OOO.

- a. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60.675.
  - b. The emission testing shall be conducted within 3 months after issuance of the permit. 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 emissions rates:
    - i. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
  - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate DO or LAA. 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 test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
  - f. Personnel from the appropriate DO or LAA 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 from the emissions unit and /or the performance of the control equipment.
  - g. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the appropriate DO or LAA within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate DO or LAA.
- g) Miscellaneous Requirements
- (1) None.

**2. F003, F003**

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

Sandvik screener

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	3.79 tons fugitive particulate emissions (PE)/yr  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a. through b)(2)c.]  See b)(2)d. and b)(2)e.
b.	OAC rule 3745-17-07(B)	See b)(2)f.
c.	OAC rule 3745-17-08(B)	See b)(2)g.
d.	40 CFR, Part 60, Subpart OOO (40 CFR 60.670-60.676)  [In accordance with 40 CFR 60.670(a), this emissions unit is comprised of screening operations and conveyors that are affected facilities subject to the emission	Visible emission restrictions See b)(2)h.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	limitations and requirements specified in this section.]	

(2) Additional Terms and Conditions

- a. The permittee has committed to employ the following control measures for this emissions unit for purposes of ensuring compliance with the above-mentioned applicable requirements:

<b>Material Handling/Processing Operation</b>	<b>Control Measures</b>
loading and unloading	reduced drop height
screening	nature of the operation is such that best available control measures are met without additional control measures
transfer and conveying	reduced drop height

- 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 the 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. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.
- 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 OAC rule 3745-31-05(A)(3).
- d. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO.
- e. Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.
- 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).

- g. 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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- h. The permittee shall not cause to be discharged into the atmosphere, fugitive dust emissions which exhibit greater than the following:

<b>For affected facilities (as defined in 60.670 and 60.671) that commenced construction, modification, or reconstruction after April 22, 2008</b>	
grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations, and any other affected facility as defined by this rule	7%, as a 6-minute average

c) Operational Restrictions

- (1) The permittee shall not exceed a material throughput of 204,400 tons per year for the emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the amount of material processed through the emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year.
- (2) Except as otherwise provided in this section, for aggregate processing operations that are not adequately enclosed, the permittee shall perform visible emission inspections of such operations during representative, normal operating conditions in accordance with the following minimum frequencies:

<b>Aggregate Processing Operation</b>	<b>Minimum Inspection Frequency</b>
each loading operation (into a feeder, hopper, or crusher)	once per day of operation
each plant conveyor & transfer point	once per day of operation

- (3) The permittee shall maintain daily 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)(3)d. shall be kept separately for each aggregate processing operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (4) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive visible particulate emissions from the screening 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. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(4)d above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements in term numbers d)(1), d)(2), d)(3) and d)(4) above:
  - a. the total material throughput, in tons, for the previous calendar year;
  - b. for the screening operation:
    - i. all days during which any visible fugitive particulate emissions were observed;

- ii. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions;
  - c. for the aggregate processing operations:
    - i. each day during which an inspection was not performed by the required frequency; and
    - ii. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
- (3) 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 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.
  - b. for a conveyor belt:
    - i. the width of the existing belt being replaced; and
    - ii. the width of the replacement conveyor belt.
- (4) The notification shall be submitted to the appropriate District Office (DO) or Local Air Agency (LAA) within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
  - a. actual start-up date (within 15 days after such date); and
  - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to appropriate DO or LAA.

The addresses for these offices are located at the following web page:

<http://www.epa.ohio.gov/dapc/general/dolaa.aspx>.

- (5) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency

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:  
 3.79 tons fugitive PE /yr

Applicable Compliance Method:

The annual fugitive dust emission limitation was developed by multiplying the following emission factors from Ap-42 Section 11.19.2-2 (8/04) by the annual throughput restriction of 204,400 tons/year, and then dividing by 2000 pounds/ton:

<b>Aggregate Processing Operation</b>	<b>PE Emission Factor</b>
loading	0.000016 lb/ton processed
screening	0.025 lb/ton processed
4 transfer points	0.003 lb/ton processed

Provided compliance is shown with the operational restriction of this permit and the requirement to apply best available control measures, compliance with the annual emission limitation shall also be demonstrated.

b. Emission Limitation:  
 Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

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

c. Emission Limitation:  
 The permittee shall not cause to be discharged into the atmosphere from any of the following operations: transfer points, screens, grinding mills, bucket elevators, enclosed truck or railcar unloading, storage bins, and bagging operations, any visible emissions of fugitive dust which exhibit greater than 7% opacity, as a six-minute average (unless otherwise specified).

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

- (2) The permittee shall conduct, or have conducted, testing for affected facilities, that are subject to 40 CFR Part 60, Subpart OOO.
- a. Testing shall be conducted in accordance with the provisions of 40 CFR 60.675.
  - b. The emission testing shall be conducted:
    - i. within 3 months after issuance of the permit;
    - ii. a repeat performance test within 5 years from the previous performance test (per Table 3 of 40 CFR, Part 60, Subpart OOO) in accordance with 40 CFR 60.11 and 40 CFR 60.675; and,
    - iii. at such other 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 emissions rates:
  - i. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
- d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate DO or LAA. 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 test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
- f. Personnel from the appropriate DO or LAA 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 from the emissions unit and /or the performance of the control equipment.

- g. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the appropriate DO or LAA within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate DO or LAA.

g) Miscellaneous Requirements

- (1) None.

**3. F007, F007**

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

Terex crusher and screener with hopper and conveyors

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	2.00 tons fugitive particulate emissions (PE)/yr  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a. through b)(2)c.]  See b)(2)d. and b)(2)e.
b.	OAC rule 3745-17-07(B)	See b)(2)f.
c.	OAC rule 3745-17-08(B)	See b)(2)g.
d.	40 CFR, Part 60, Subpart OOO (40 CFR 60.670-60.676)  [In accordance with 40 CFR 60.670(a), this emissions unit is comprised of crushing, screening operations and conveyors that are affected facilities subject to the	Visible emission restrictions See b)(2)h.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	emission limitations and requirements specified in this section.]	

(2) Additional Terms and Conditions

- a. The permittee has committed to employ the following control measures for this emissions unit for purposes of ensuring compliance with the above-mentioned applicable requirements:

<b>Material Handling/Processing Operation</b>	<b>Control Measures</b>
loading and unloading	reduced drop height and water spray
screening & crushing	nature of the operation is such that best available control measures are met without additional control measures
transfer and conveying	reduced drop height and water spray

- 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 the 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. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.
- 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 OAC rule 3745-31-05(A)(3).
- d. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO.
- e. Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.
- 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).

- g. 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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- h. The permittee shall not cause to be discharged into the atmosphere, fugitive dust emissions which exhibit greater than the following:

<b>For affected facilities (as defined in 60.670 and 60.671) that commenced construction, modification, or reconstruction after April 22, 2008:</b>	
grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations, and any other affected facility as defined by this rule	7%, as a 6-minute average
each crusher	12%, as a 6-minute average

c) Operational Restrictions

- (1) The permittee shall not exceed a material throughput of 204,400 tons per year for the emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the amount of material processed through the emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year.
- (2) Except as otherwise provided in this section, for aggregate processing operations that are not adequately enclosed, the permittee shall perform visible emission inspections of such operations during representative, normal operating conditions in accordance with the following minimum frequencies:

<b>Aggregate Processing Operation</b>	<b>Minimum Inspection Frequency</b>
each loading operation (into a feeder, hopper, or crusher)	once per day of operation
each plant conveyor & transfer point	once per day of operation

- (3) The permittee shall maintain daily 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)(3)d. shall be kept separately for each aggregate processing operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (4) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive visible particulate emissions from the crusher and screening operations. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(4)d above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- (5) 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 expediently 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)(7).
- (6) If the permittee, meeting the requirements of d)(5) 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)(7) must specify the control mechanism being used instead of the water sprays.
- (7) The permittee must record each periodic inspection required under d)(3), 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.

- (8) For each affected facility that relies on water carryover from upstream water sprays to control fugitive emissions, the facility is exempt from the 5-year repeat testing requirements specified in Table 3 of 40 CFR, Part 60, Subpart OOO provided the affected facility meets the following:
- a. the owner or operator of the affected facility conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility in accordance with paragraph (b) of section 60.674 and 60.676(b); and
  - b. the owner or operator of the affected facility designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under 40 CFR Part 60, Subpart A, section 60.11 of this part and 60.675 of 40 CFR, Part 60, Subpart OOO.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
  - (2) The permittee shall identify in the annual permit evaluation report the following information in accordance with the monitoring requirements in d)(1), d)(2), d)(3), and d)(4) above during the 12-month reporting period for this emissions unit:
    - a. the total material throughput, in tons, for the previous calendar year;
    - b. for the crushing and screening operations:
      - i. all days during which any visible fugitive particulate emissions were observed;
      - ii. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions;
    - c. for the aggregate processing operations:
      - i. each day during which an inspection was not performed by the required frequency; and
      - ii. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
  - (3) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
  - (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.
- (5) The notification shall be submitted to the appropriate District Office (DO) or Local Air Agency (LAA) within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
- a. actual start-up date (within 15 days after such date); and
  - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to appropriate DO or LAA.

The addresses for these offices are located at the following web page:

<http://www.epa.ohio.gov/dapc/general/dolaa.aspx>.

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:  
2.00 tons fugitive PE/yr
- Applicable Compliance Method:  
The annual fugitive dust emission limitation was developed by multiplying the following emission factors from AP-42 Section 11.19.2-2 (8/04) by the annual throughput restriction of 204,400 tons/year, and then dividing by 2000 pounds/ton:

<b>Aggregate Processing Operation</b>	<b>PE Emission Factor</b>
loading	0.000016 lb/ton processed
crushing	0.0021 lb/ton processed
11 transfer points	0.0014 lb/ton processed
screens	0.0022 lb/ton processed

Provided compliance is shown with the operational restriction of this permit and the requirement to apply best available control measures, compliance with the annual emission limitation shall also be demonstrated.

- b. Emission Limitation:  
 Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.

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

- c. Emission Limitation:  
 The permittee shall not cause to be discharged into the atmosphere from any of the following operations: transfer points, screens, grinding mills, bucket elevators, enclosed truck or railcar unloading, storage bins, and bagging operations, any visible emissions of fugitive dust which exhibit greater than 7% opacity, as a six-minute average (unless otherwise specified).

Applicable Compliance Method:  
 Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

- d. Emission Limitation:  
 The permittee shall not cause to be discharged into the atmosphere from any crusher, any visible emissions of fugitive dust which exhibit greater than 12% opacity, as a six-minute average.

Applicable Compliance Method:  
 Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

- (2) The permittee shall conduct, or have conducted, testing for affected facilities, that are subject to 40 CFR Part 60, Subpart OOO.
- a. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60.675.
  - b. The emission testing shall be conducted within 3 months after issuance of the permit. 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 emissions rates:
    - i. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
  - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate DO or LAA. 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 test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
  - f. Personnel from the appropriate DO or LAA 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 from the emissions unit and /or the performance of the control equipment.
  - g. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the appropriate DO or LAA within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate DO or LAA.



**Final Permit-to-Install and Operate**  
GLENN HUNTER AND ASSOCIATES  
**Permit Number:** P0120433  
**Facility ID:** 0326000074  
**Effective Date:** 9/15/2016

- g) Miscellaneous Requirements
  - (1) None.

**4. P901, P901**

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

Impact Crusher and Fintec Screen (CS-3)

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	<u>baghouse stack emissions:</u> 7.32 lbs particulate emissions (PE)/hr & 32.06 tons PE/yr combined from emissions units P901, P903, and P905  <u>fugitive emissions:</u> 0.99 ton PE/yr  See b)(2)a., b)(2)b., and b)(2)g.
b.	OAC rule 3745-17-11(B)	See b)(2)c.
c.	OAC rule 3745-17-07(A)	See b)(2)d.
d.	OAC rule 3745-17-07(B)	See b)(2)e.
e.	OAC rule 3745-17-08(B)	See b)(2)f.
f.	40 CFR, Part 60, Subpart OOO (40 CFR 60.670-60.676)  [In accordance with 40 CFR 60.670(a), this emissions unit is comprised of crushing, screening	0.014 gr PE/dscf  Visible fugitive emissions from building openings (except for vents as defined in 60.671) shall not exceed 7% opacity as a

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	operations and conveyors that are affected facilities subject to the emission limitations and requirements specified in this section.]	6-minute average.

(2) Additional Terms and Conditions

- a. The “Best Available Technology (BAT) control requirements for this emissions unit have been determined to be use of a baghouse and building enclosure for control of fugitive emissions and compliance with the terms and conditions of this permit.
- b. Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart OOO.
- e. 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. 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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- g. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO.

c) Operational Restrictions

- (1) The permittee shall not exceed a material throughput of 102,200 tons per year for the emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the amount of material processed through the emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an

operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(2)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- (3) For each affected facility constructed, modified, or reconstructed after April 22, 2008, the permittee shall conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR Part 60, Appendix A-7). The Method 22 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.
- (4) The permittee shall must record each Method 22 test required in d)(3), including dates and 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.
- (5) The permittee may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to 60.675(b) 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 compliance with the applicable PM concentration limit in Table 2 of 40 CFR Part 60, Subpart OOO. The revised visible emissions success level must be incorporated into the permit for the affected facility.

e) Reporting Requirements

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

- (2) The permittee shall identify in the annual permit evaluation report the following information in accordance with the monitoring requirements for visible emissions in d)(1) and d)(2), above during the 12-month reporting period for this emissions unit:
  - a. the total material throughput, in tons, for the previous calendar year;
  - b. all days during which any visible fugitive particulate emissions were observed from the operations associated with this emissions unit; and
  - c. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.
- (3) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (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.
- (5) The notification shall be submitted to the appropriate District Office (DO) or Local Air Agency (LAA) within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
  - a. actual start-up date (within 15 days after such date); and
  - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to appropriate DO or LAA.

The addresses for these offices are located at the following web page:

<http://www.epa.ohio.gov/dapc/general/dolaa.aspx>.

f) Testing Requirements

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

a. Emission Limitation:  
 0.99 ton fugitive PE/yr

Applicable Compliance Method:

The annual fugitive dust emission limitation was developed by multiplying the following emission factors from AP-42 Section 11.19.2-2 (8/04) by the annual throughput restriction of 102,200 tons/year, and then dividing by 2000 pounds/ton:

<b>Aggregate Processing Operation</b>	<b>PE Emission Factor</b>
loading	0.000016 lb/ton processed
crushing	0.0021 lb/ton processed
11 transfer points	0.0014 lb/ton processed
screens	0.0022 lb/ton processed

Provided compliance is shown with the operational restriction of this permit compliance with the annual emission limitation shall also be demonstrated.

b. Emission Limitation:  
 Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

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

c. Emission Limitation:  
 Visible fugitive emissions from building openings (except for vents as defined in 60.671) must not exceed 7% opacity as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

- d. Emission Limitation:  
0.014 gr PE/dscf

Applicable Compliance Method:

Compliance shall be demonstrated using Method 5 or Method 17 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

- e. Emission Limitation:  
7.32 lbs PE/hr & 32.06 tons PE/yr combined from emissions units P901, P903, and P905

Applicable Compliance Method:

The hourly emission limitation represents the PTE for this emissions unit and was established by multiplying the maximum outlet concentration of 0.014 gr/dscf (40 CFR, Part 60, Subpart OOO) by the maximum volumetric flow rate (61,000 acfm), and applying the conversion factors of 60 minutes/hour and 7000 grains/pound.

If required, the permittee shall demonstrate compliance with the lb/hr limit through emission test conducted in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA -approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

The annual PE limitation was developed by multiplying the lb/hr limitation by 8760 hrs/yr of operation, then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual emission limitation shall also be demonstrated.

- (2) The permittee shall conduct, or have conducted, testing for affected facilities, that are subject to 40 CFR Part 60, Subpart OOO.
- a. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60.675.
  - b. The emission testing shall be conducted within 3 months after issuance of the permit. The emission testing shall be conducted to demonstrate compliance with the allowable emission rates for particulate emissions.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable emissions rates:
    - i. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.

- ii. Method 5 or Method 17 of 40 CFR Part 60, Appendix A shall be used to determine particulate matter concentration (gr/dscf).
  
  - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
  
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate DO or LAA. 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 test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
  
  - f. Personnel from the appropriate DO or LAA 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 from the emissions unit and /or the performance of the control equipment.
  
  - g. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the appropriate DO or LAA within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate DO or LAA.
- g) Miscellaneous Requirements
- (1) None.

**5. P902, P902**

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

Roll crusher/screener

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	<u>baghouse stack emissions:</u> 2.16 lbs particulate emissions (PE)/hr & 9.46 tons PE/yr  <u>fugitive emissions:</u> 2.67 tons PE/yr  See b)(2)a., b)(2)b., and b)(2)g.
b.	OAC rule 3745-17-11(B)	<u>See b)(2)c.</u>
c.	OAC rule 3745-17-07(A)	<u>See b)(2)d.</u>
d.	OAC rule 3745-17-07(B)	<u>See b)(2)e.</u>
e.	OAC rule 3745-17-08(B)	<u>See b)(2)f.</u>
f.	40 CFR, Part 60, Subpart OOO (40 CFR 60.670-60.676)  [In accordance with 40 CFR 60.670(a), this emissions unit is comprised of crushing, screening operations and conveyors that are	0.014 gr PE/dscf  Visible fugitive emissions from building openings (except for vents as defined in 60.671) shall not exceed 7% opacity as a 6-minute average.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	affected facilities subject to the emission limitations and requirements specified in this section.]	

(2) Additional Terms and Conditions

- a. The “Best Available Technology (BAT) control requirements for this emissions unit have been determined to be use of a baghouse and building enclosure for control of fugitive emissions and compliance with the terms and conditions of this permit.
- b. Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart OOO.
- e. 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. 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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- g. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO.

c) Operational Restrictions

- (1) The permittee shall not exceed a material throughput of 102,200 tons per year for the emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the amount of material processed through the emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(2)d above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- (3) For each affected facility constructed, modified, or reconstructed after April 22, 2008, the permittee shall conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR Part 60, Appendix A-7). The Method 22 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.
- (4) The permittee shall must record each Method 22 test required in d)(3), including dates and 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.
- (5) The permittee may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to 60.675(b) 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 compliance with the applicable PM concentration limit in Table 2 of 40 CFR Part 60, Subpart OOO. The revised visible emissions success level must be incorporated into the permit for the affected facility.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (2) The permittee shall identify in the annual permit evaluation report the following information in accordance with the monitoring requirements for visible emissions in d)(1), d)(2), and d)(3), above during the 12-month reporting period for this emissions unit:

- a. the total material throughput, in tons, for the previous calendar year;
  - b. all days during which any visible fugitive particulate emissions were observed from the operations associated with this emissions unit; and
  - c. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.
- (3) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (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.
- (5) The notification shall be submitted to the appropriate District Office (DO) or Local Air Agency (LAA) within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
- a. actual start-up date (within 15 days after such date); and
  - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to appropriate DO or LAA.

The addresses for these offices are located at the following web page:

<http://www.epa.ohio.gov/dapc/general/dolaa.aspx>.

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:  
 2.67 tons fugitive PE/yr

Applicable Compliance Method:

The annual fugitive dust emission limitation was developed by multiplying the following emission factors from AP-42 Section 11.19.2-2 (8/04) by the annual throughput restriction of 102,200 tons/year, and then dividing by 2000 pounds/ton

Aggregate Processing Operation	PE Emission Factor
loading	0.000016 lb/ton processed
crushing	0.0021 lb/ton processed
16 transfer points	0.003 lb/ton processed
screens	0.0022 lb/ton processed

Provided compliance is shown with the operational restriction of this permit compliance with the annual emission limitation shall also be demonstrated.

b. Emission Limitation:  
 Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

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

c. Emission Limitation:  
 Visible fugitive emissions from building openings (except for vents as defined in 60.671) must not exceed 7% opacity as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

d. Emission Limitation:  
 0.014 gr PE/dscf

Applicable Compliance Method:

Compliance shall be demonstrated using Method 5 or Method 17 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

- e. Emission Limitation:  
2.16 lbs PE/hr & 9.46 tons PE/yr

Applicable Compliance Method:

The hourly emission limitation represents the PTE for this emissions unit and was established by multiplying the maximum outlet concentration of 0.014 gr/dscf (40 CFR, Part 60, Subpart OOO) by the maximum volumetric flow rate (18,000 acfm), and applying the conversion factors of 60 minutes/hour and 7000 grains/pound.

If required, the permittee shall demonstrate compliance with the hourly emission limit by emission test conducted in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA -approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

The annual PE limitation was developed by multiplying the lb/hr limitation by 8760 hrs/yr of operation, then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual emission limitation shall also be demonstrated.

- (2) The permittee shall conduct, or have conducted, testing for affected facilities, that are subject to 40 CFR Part 60, Subpart OOO.
- a. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60.675.
  - b. The emission testing shall be conducted within 3 months after issuance of the permit. The emission testing shall be conducted to demonstrate compliance with the allowable emission rates for particulate emissions.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable emissions rates:
    - i. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity; and
    - ii. Method 5 or Method 17 of 40 CFR Part 60, Appendix A shall be used to determine particulate matter concentration (gr/dscf).
  - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the

tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.

- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate DO or LAA. 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 test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
- f. Personnel from the appropriate DO or LAA 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 from the emissions unit and /or the performance of the control equipment.
- g. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the appropriate DO or LAA within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate DO or LAA.

g) Miscellaneous Requirements

- (1) None.

**6. P903, P903**

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

Mixing & Weighing

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	<u>baghouse stack emissions:</u> 7.32 lbs particulate emissions (PE)/hr & 32.06 tons PE/yr combined from emissions units P901, P903, and P905  <u>fugitive emissions:</u> 0.96 ton PE/yr  See b)(2)a., b)(2)b., and b)(2)g.
b.	OAC rule 3745-17-11(B)	See b)(2)c.
c.	OAC rule 3745-17-07(A)	See b)(2)d.
d.	OAC rule 3745-17-07(B)	See b)(2)e.
e.	OAC rule 3745-17-08(B)	See b)(2)f.
	40 CFR, Part 60, Subpart OOO (40 CFR 60.670-60.676)  [In accordance with 40 CFR 60.670(a), this emissions unit is comprised of conveyors that are	0.014 gr PE/dscf  Visible fugitive emissions from building openings (except for vents as defined in 60.671) shall not exceed 7% opacity as a

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	affected facilities subject to the emission limitations and requirements specified in this section.]	6-minute average.

(2) Additional Terms and Conditions

- a. The “Best Available Technology (BAT) control requirements for this emissions unit have been determined to be use of a baghouse and building enclosure for control of fugitive emissions and compliance with the terms and conditions of this permit.
- b. Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart OOO.
- e. 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. 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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- g. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO.

c) Operational Restrictions

- (1) The permittee shall not exceed a material throughput of 102,200 tons per year for the emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the amount of material processed through the emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(2)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- (3) For each affected facility constructed, modified, or reconstructed after April 22, 2008, the permittee shall conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR Part 60, Appendix A-7). The Method 22 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.
- (4) The permittee shall must record each Method 22 test required in d)(3), including dates and 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.
- (5) The permittee may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to 60.675(b) 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 compliance with the applicable PM concentration limit in Table 2 of 40 CFR Part 60, Subpart OOO. The revised visible emissions success level must be incorporated into the permit for the affected facility.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (2) The permittee shall identify in the annual permit evaluation report the following information in accordance with the monitoring requirements for visible emissions in d)(1), d)(2), and d)(3), above during the 12-month reporting period for this emissions unit:

- a. the total material throughput, in tons, for the previous calendar year;
  - b. all days during which any visible fugitive particulate emissions were observed from the operations associated with this emissions unit; and
  - c. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.
- (3) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (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 conveyor belt:
    - i. the width of the existing belt being replaced; and
    - ii. the width of the replacement conveyor belt.
- (5) The notification shall be submitted to the appropriate District Office (DO) or Local Air Agency (LAA) within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
- a. actual start-up date (within 15 days after such date); and
  - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to appropriate DO or LAA.

The addresses for these offices are located at the following web page:

<http://www.epa.ohio.gov/dapc/general/dolaa.aspx>.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
- a. Emission Limitation:  
0.96 ton fugitive PE/yr

Applicable Compliance Method:

The annual fugitive dust emission limitation was developed by multiplying the following emission factors from AP-42 Section 11.12.2-2 (6/06) by the annual throughput restriction of 102,200 tons/year, and then dividing by 2000 pounds/ton:

<b>Aggregate Processing Operation</b>	<b>PE Emission Factor</b>
loading	0.0048 lb/ton processed
2 transfer points	0.0014 lb/ton processed

Provided compliance is shown with the operational restriction of this permit compliance with the annual emission limitation shall also be demonstrated.

- b. Emission Limitation:  
 Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.  
  
Applicable Compliance Method:  
 If required, compliance shall be demonstrated using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60, Appendix A (Standards of Performance for New Stationary Sources") and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.
- c. Emission Limitation:  
 Visible fugitive emissions from building openings (except for vents as defined in 60.671) must not exceed 7% opacity as a 6-minute average.  
  
Applicable Compliance Method:  
 Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].
- d. Emission Limitation:  
 0.014 gr PE/dscf  
  
Applicable Compliance Method:  
 Compliance shall be demonstrated using Method 5 or Method 17 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].
- e. Emission Limitation:  
 7.32 lbs PE/hr & 32.06 tons PE/yr combined from emissions units P901, P903, and P905  
  
Applicable Compliance Method:  
 The hourly emission limitation represents the PTE for this emissions unit and was established by multiplying the maximum outlet concentration of 0.014 gr/dscf (40 CFR, Part 60, Subpart OOO) by the maximum volumetric flow rate (61,000 acfm), and applying the conversion factors of 60 minutes/hour and 7000 grains/pound.

If required, the permittee shall demonstrate compliance with the hourly emission limit through emission test conducted in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA -approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

The annual PE limitation was developed by multiplying the hourly emission limitation by 8760 hrs/yr of operation, then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual emission limitation shall also be demonstrated.

- (2) The permittee shall conduct, or have conducted, testing for affected facilities, that are subject to 40 CFR Part 60, Subpart OOO.
- a. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60.675.
  - b. The emission testing shall be conducted within 3 months after issuance of the permit. The emission testing shall be conducted to demonstrate compliance with the allowable emission rates for particulate emissions.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable emissions rates:
    - i. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity; and
    - ii. Method 5 or Method 17 of 40 CFR Part 60, Appendix A shall be used to determine particulate matter concentration (gr/dscf).
  - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate DO or LAA. 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 test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).



- f. Personnel from the appropriate DO or LAA 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 from the emissions unit and /or the performance of the control equipment.
  - g. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the appropriate DO or LAA within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate DO or LAA.
- g) Miscellaneous Requirements
- (1) None.

**7. P904, P904**

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

Rotary dryer with conveyors and baghouse

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
  - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
    - a. None.
  - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
    - a. None.
- b) Applicable Emission Limitations and/or Control Requirements

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	<u>Dryer exhaust stack emissions</u> 2.14 lbs particulate emissions (PE)/hr & 9.37 tons PE/yr  <u>Fugitive Emissions</u> 0.09 ton PE/yr  Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.  See b)(2)a. and b)(2)f.
b.	OAC rule 3745-17-11 B)	See b)(2)b.
c.	OAC rule 3745-17-07(A)	See b)(2)c.
d.	OAC rule 3745-17-07(B)	See b)(2)d.
e.	OAC rule 3745-17-08(B)	See b)(2)e.
f.	40 CFR, Part 60, Subpart OOO (40 CFR 60.670-60.676)  [In accordance with 40 CFR 60.670(a), this emissions unit is comprised of conveyors that are affected facilities subject to the	Visible fugitive emissions from building openings (except for vents as defined in 60.671) shall not exceed 7% opacity as a 6-minute average.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	emission limitations and requirements specified in this section.]	
g.	<p>40 CFR, Part 60, Subpart UUU (40 CFR 60.730-60.737)</p> <p>[In accordance with 60.730, this emissions unit is comprised of dryer that is an affected facility subject to emission limitations and requirements specified in this section.]</p>	<p>0.025 gr PE/dscf [0.057 g/dscm)</p> <p>Visible emissions from the stack shall not exceed 10% opacity as a six-minute average</p>

(2) Additional Terms and Conditions

- a. The “Best Available Technology (BAT) control requirements for this emissions unit have been determined to be use of a baghouse and building enclosure for control of fugitive emissions and compliance with the terms and conditions of this permit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart OOO.
- 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 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. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO and 40 CFR, Part 60, Subpart UUU.

c) Operational Restrictions

- (1) The permittee shall not exceed a material throughput of 30,660 tons per year for the emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) By no later than 30 days prior to startup of the emissions unit , the permittee shall install, operate, and maintain a continuous opacity monitoring system to continuously monitor and record the opacity of the particulate emissions from this emissions unit. The continuous monitoring and recording equipment shall comply with the requirements

specified in 40 CFR Part 60 and shall operate at all times while the emissions unit is in operation [See g)(1)].

The permittee shall maintain records of data obtained by the continuous opacity monitoring system including, but not limited to:

- a. percent opacity on an instantaneous (one-minute) and 6-minute block average basis;
  - b. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;
  - c. hours of operation of the emissions unit, continuous opacity monitoring system, and control equipment;
  - d. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous opacity monitoring system;
  - e. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous opacity monitoring system; as well as,
  - f. the reason (if known) and the corrective actions taken (if any) for each such event in d)(1)d. and d)(1)e.
- (2) Prior to the installation of the continuous opacity monitoring system, the permittee shall submit information detailing the proposed location of the sampling site in accordance with the siting requirements in 40 CFR Part 60, Appendix B, Performance Specification 1. The Ohio EPA, Central Office shall approve the proposed sampling site and certify that the continuous opacity monitoring system meets the requirements of Performance Specification 1. Once received, the letter/document of certification shall be maintained on-site and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.
- Each continuous monitoring system consists of all the equipment used to acquire and record data in units of all applicable standard(s), and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data processing hardware and software.
- (3) The permittee shall maintain monthly records of the amount of material processed through the emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year
- (4) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
- a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;

- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(4)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous opacity monitoring system:
  - a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of opacity values in excess of any limitation specified in this permit, 40 CFR Part 60, OAC rule 3745-17-07, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude (percent opacity) of each 6-minute block average exceeding the applicable opacity limitation(s), as well as, the reason (if known) and the corrective actions taken (if any) for each exceedance.
  - b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:
    - i. the facility name and address;
    - ii. the manufacturer and model number of the continuous opacity monitor;
    - iii. a description of any change in the equipment that comprises the continuous opacity monitoring system (COMS), including any change to the hardware, changes to the software that may affect COMS readings, and/or changes in the location of the COMS sample probe;
    - iv. the excess emissions report (EER)\*, i.e., a summary of any exceedances during the calendar quarter, as specified above;
    - v. the total operating time (hours) of the emissions unit;

- vi. the total operating time of the continuous opacity monitoring system while the emissions unit was in operation;
- vii. the date, time, and duration of any/each malfunction\*\* of the continuous opacity monitoring system, emissions unit, and/or control equipment;
- viii. the date, time, and duration of any downtime\*\* of the continuous opacity monitoring system and/or control equipment while the emissions unit was in operation; and
- ix. the reason (if known) and the corrective actions taken (if any) for each event in (b)(vii) and (viii).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

\* where no exceedance of the opacity limit has occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the quarterly EER report

\*\* each downtime and malfunction event shall be reported regardless of whether there is an exceedance of the opacity limit

- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (3) The permittee shall identify in the annual permit evaluation report the following information in accordance with the monitoring requirements for visible emissions in d)(3), and d)(4), above during the 12-month reporting period for this emissions unit:
  - a. the total material throughput, in tons, for the previous calendar year;
  - b. all days during which any visible fugitive particulate emissions were observed from the operations associated with this emissions unit; and
  - c. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.
- (4) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (5) 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 conveyor belt:
    - i. the width of the existing belt being replaced; and

- ii. the width of the replacement conveyor belt.
- (6) The notification shall be submitted to the appropriate District Office (DO) or Local Air Agency (LAA) within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
- a. actual start-up date (within 15 days after such date); and
  - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to appropriate DO or LAA.

The addresses for these offices are located at the following web page:

<http://www.epa.ohio.gov/dapc/general/dolaa.aspx>.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
- a. Emission Limitation:  
0.09 ton fugitive PE/yr

Applicable Compliance Method:

The annual fugitive dust emission limitation was developed by multiplying the following emission factors from AP-42 Section 11.19.2-2 (8/04) by the annual throughput restriction of 30,660 tons/year, and then dividing by 2000 pounds/ton

<b>Aggregate Processing Operation</b>	<b>PE Emission Factor</b>
loading	0.000016 lb/ton processed
2 transfer points	0.003 lb/ton processed

Provided compliance is shown with the operational restriction of this permit compliance with the annual emission limitation shall also be demonstrated.

- b. Emission Limitation:  
Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60, Appendix A (Standards of

Performance for New Stationary Sources") and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

c. Emission Limitation:

Visible fugitive emissions from building openings (except for vents as defined in 60.671) must not exceed 7% opacity as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(3)].

d. Emission Limitation:

0.025 PE/dscf [0.057 g/dscm)

Applicable Compliance Method:

Compliance shall be demonstrated using Method 5 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart UUU, section 60.736 [See f)(3)].

e. Emission Limitation:

Visible emissions from the stack shall not exceed 10% opacity as a six-minute average

Applicable Compliance Method:

Initial compliance shall be demonstrated in accordance with 40 CFR Part 60, Subpart UUU, section 60.736 [See f)(2) through f)(3)].

Ongoing compliance with the opacity limitation contained in this permit, 40 CFR Part 60, and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60.

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

- (2) Within 60 days of achieving the maximum production rate at which the emissions unit(s) will be operated, but not later than 180 days after initial startup, the permittee shall conduct certification tests on the continuous opacity monitoring system equipment pursuant to 40 CFR Part 60, Appendix B, Performance Specification 1 and ORC section 3704.03(I).

Personnel from the Ohio EPA Central Office and the appropriate Ohio EPA District Office or local air agency shall be notified 30 days prior to initiation of the applicable tests and shall be permitted to examine equipment and witness the certification tests. Two copies of the test results shall be submitted to Ohio EPA, one copy to the appropriate Ohio EPA District Office or local air agency and one copy to Ohio EPA

Central Office, and pursuant to OAC rule 3745-15-04, within 30 days after the test is completed.

Certification of the continuous opacity monitoring system shall be granted upon determination by the Ohio EPA, Central Office that the system meets the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1; ORC section 3704.03(I); and ASTM D 6216-98.

- (3) Performance testing shall be conducted as required in 40 CFR Part 60 Subpart OOO pursuant to 40 CFR 60.675, and as required in 40 CFR Part 60, Subpart UUU pursuant to 40 CFR 60.736. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other 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 emission rates for particulate emissions.
  - b. The emissions testing shall be conducted to demonstrate compliance with the following:
    - i. Visible fugitive emissions of 7% opacity, as a six-minute average from the building openings [60.672(e)(1)];
    - ii. 0.025 gr PE/dscf (0.057 g/dscm) from the baghouse stack [60.732(a)]; and
    - iii. Visible emissions of 10% opacity as a six-minute average from the baghouse stack [60.732(a)].
  - c. The following test methods shall be employed to demonstrate compliance with the allowable emissions rates:
    - i. Methods 1-5 of 40 CFR Part 60, Appendix A shall be used to determine particulate matter concentration (gr/dscf);
    - ii. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity;
    - iii. The following requirements apply to demonstrate compliance with visible fugitive opacity of 7% from the building openings [§60.672(e)(1)]:
      - (a) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). [60.675(c)(1)(i)]
      - (b) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun

(Method 9 of Appendix A-4 of this part, Section 2.1) must be followed. [60.675(c)(1)(i)]

- (c) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). [60.675(c)(3)]
    - (d) Performance test must be conducted while all affective facilities inside the building are operating. [60.675(d)]
  - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate DO or LAA. 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 test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
  - f. Personnel from the appropriate DO or LAA 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 from the emissions unit and /or the performance of the control equipment.
  - g. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the appropriate DO or LAA within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate DO or LAA.
- g) Miscellaneous Requirements
- (1) Per United States Environmental Protection Agency (U.S. EPA) Region 5 Amended Administrative Consent Order EPA-5-15-113(a)-OH-10, (April 27, 2016), Glenn Hunter and Associates, Inc. was ordered to retire emissions unit P904 by no later than June 25, 2016. If the facility elects to restart emissions unit P904, then by no later than 30 days



prior to startup they shall notify U.S. EPA of plans to restart the emissions unit and are required to submit a permit application to Ohio EPA to include the following requirements:

- a. In accordance with the requirements of NSPS Subpart UUU, Glenn Hunter and Associates, Inc. shall install and continuously operate a new 10,000 actual cubic feet per minute (acfm) baghouse dedicated to unit P904, including the rotary dryer and all ancillary equipment that are subject to NSPS Subpart UUU at all times while the unit is in operation; and
- b. Install and continuously operate a Continuous Opacity Monitoring System (COMS) at the P904 rotary dryer baghouse at all times while the unit is in operation.

Issuance of Permit to Install and Operate (PTIO) P0120433 fulfills the requirement to revise Glenn Hunter and Associates, Inc. permit to include the requirements of g)(1)a. and g(2)b.

**8. P905, P905**

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

Portable on-site conveyor

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	<u>baghouse stack emissions:</u> 7.32 lbs particulate emissions (PE)/hr & 32.06 tons PE/yr combined from emissions units P901, P903, and P905  <u>fugitive emissions:</u> 0.23 ton PE/yr  See b)(2)a., b)(2)b., and b)(2)g.
b.	OAC rule 3745-17-11(B)	See b)(2)c.
c.	OAC rule 3745-17-07(A)	See b)(2)d.
d.	OAC rule 3745-17-07(B)	See b)(2)e.
e.	OAC rule 3745-17-08(B)	See b)(2)f.
f.	40 CFR, Part 60, Subpart OOO (40 CFR 60.670-60.676)  [In accordance with 40 CFR 60.670(a), this emissions unit is comprised of conveyors that are	0.014 gr PE/dscf  Visible fugitive emissions from building openings (except for vents as defined in 60.671) shall not exceed 7% opacity as a

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	affected facilities subject to the emission limitations and requirements specified in this section.]	6-minute average.

(2) Additional Terms and Conditions

- a. The “Best Available Technology (BAT) control requirements for this emissions unit have been determined to be use of a baghouse and building enclosure for control of fugitive emissions and compliance with the terms and conditions of this permit.
- b. Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart OOO.
- e. 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. 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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- g. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO.

c) Operational Restrictions

- (1) The permittee shall not exceed a material throughput of 51,100 tons per year for the emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the amount of material processed through the emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(2)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- (3) For each affected facility constructed, modified, or reconstructed after April 22, 2008, the permittee shall conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR Part 60, Appendix A-7). The Method 22 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.
- (4) The permittee shall must record each Method 22 test required in d)(3), including dates and 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.
- (5) The permittee may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to 60.675(b) 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 compliance with the applicable PM concentration limit in Table 2 of 40 CFR Part 60, Subpart OOO. The revised visible emissions success level must be incorporated into the permit for the affected facility.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (2) The permittee shall identify in the annual permit evaluation report the following information in accordance with the monitoring requirements for visible emissions in d)(1), d)(2), and d)(3), above during the 12-month reporting period for this emissions unit:

- a. the total material throughput, in tons, for the previous calendar year;
  - b. all days during which any visible fugitive particulate emissions were observed from the operations associated with this emissions unit; and
  - c. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.
- (3) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (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 conveyor belt:
    - i. the width of the existing belt being replaced; and
    - ii. the width of the replacement conveyor belt.
- (5) The notification shall be submitted to the appropriate District Office (DO) or Local Air Agency (LAA) within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
- a. actual start-up date (within 15 days after such date); and
  - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to appropriate DO or LAA.

The addresses for these offices are located at the following web page:

<http://www.epa.ohio.gov/dapc/general/dolaa.aspx>.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
0.23 ton fugitive PE/yr  
  
Applicable Compliance Method:  
The annual fugitive dust emission limitation was developed by multiplying the following emission factors from AP-42 Section 11.19.2-2 (8/04) by the annual throughput restriction of 102,200 tons/year, and then dividing by 2000 pounds/ton

<b>Aggregate Processing Operation</b>	<b>PE Emission Factor</b>
loading	0.000016 lb/ton processed
crushing	0.0021 lb/ton processed
16 transfer points	0.003 lb/ton processed
screens	0.0022 lb/ton processed

Provided compliance is shown with the operational restriction of this permit compliance with the annual emission limitations shall also be demonstrated.

- b. Emission Limitation:  
 Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

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

- c. Emission Limitation:  
 Visible fugitive emissions from building openings (except for vents as defined in 60.671) must not exceed 7% opacity as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

- d. Emission Limitation:  
 0.014 gr PE/dscf

Applicable Compliance Method:

Compliance shall be demonstrated using Method 5 or Method 17 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

- e. Emission Limitation:  
 7.32 lbs PE/hr & 32.06tons PE/yr combined from emissions units P901, P903, and P905

Applicable Compliance Method:

The hourly emission limitation represents the PTE for the stack for this emissions unit and was established by multiplying the maximum outlet concentration of 0.014 gr/dscf (40 CFR, Part 60, Subpart OOO) by the maximum volumetric flow rate (61,000 acfm), and applying the conversion factors of 60 minutes/hour and 7000 grains/pound.

If required, the permittee shall demonstrate compliance with the hourly emission limit through emission test conducted in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA -approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

The annual PE limitation was developed by multiplying the lb/hr limitation by 8760 hrs/yr of operation, then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual emission limitation shall also be demonstrated.

- (2) The permittee shall conduct, or have conducted, testing for affected facilities, that are subject to 40 CFR Part 60, Subpart OOO.
- a. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60.675.
  - b. The emission testing shall be conducted within 3 months after issuance of the permit. The emission testing shall be conducted to demonstrate compliance with the allowable emission rates for particulate emissions.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable emissions rates:
    - i. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity; and
    - ii. Method 5 or Method 17 of 40 CFR Part 60, Appendix A shall be used to determine particulate matter concentration (gr/dscf).
  - d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate DO or LAA. 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 appropriate DO or LAA.

- f. Personnel from the appropriate DO or LAA 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 from the emissions unit and /or the performance of the control equipment.
- g. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the appropriate DO or LAA within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate DO or LAA.

g) Miscellaneous Requirements

- (1) None.

**9. P906 Operations, Property and/or Equipment Description:**

Jaw Crusher with 225 HP #2 fuel oil fired IC engine (CS-11)

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	2.04 tons fugitive particulate emissions (PE)/yr  0.59 lb carbon monoxide (CO/hr) & 2.58 tons CO/yr  3.22 lbs nitrogen oxides (NOx)/hr & 14.10 tons NOx/yr  best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a through b)(2)c.]  See b)(2)f., b)(2)g., and b)(2)k.
b.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-07(B)	See b)(2)d.
d.	OAC rule 3745-17-08(B)	See b)(2)e.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	OAC rule 3745-17-11(B)(5)(a)	PE from the engine exhaust shall not exceed 0.310 lb/mmBtu of actual heat input for a stationary small internal combustion engine.
f.	OAC rule 3745-18-06(G)	See b)(2)i.
g.	OAC rule 3745-110-03(F)	See b)(2)j.
h.	<p>40 CFR, Part 60, Subpart OOO (40 CFR 60.670-60.676)</p> <p>[In accordance with 40 CFR 60.670(a), this emissions unit is comprised of crushers, and conveyors that are affected facilities subject to the emission limitations and requirements specified in this section.]</p>	<p>Visible emission restrictions</p> <p>See b)(2)h.</p>

(2) Additional Terms and Conditions

- a. The permittee has committed to employ the following control measures for this emissions unit for purposes of ensuring compliance with the above-mentioned applicable requirements:

<b>Material Handling/Processing Operation</b>	<b>Control Measures</b>
loading and unloading	reduced drop height
transfer and conveying	reduced drop height
crushing	nature of the operation is such that best available control measures are met without additional control measures

- 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 the 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. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.



- 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 OAC rule 3745-31-05(A)(3).
- 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 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. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO, OAC rule 3745-17-11(B)(5)(a), and OAC rule 3745-17-07(A).
- g. Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.
- h. The permittee shall not cause to be discharged into the atmosphere, fugitive dust emissions which exhibit greater than the following:

<b>For affected facilities (as defined in 60.670 and 60.671) that commenced construction, modification, or reconstruction after April 22, 2008:</b>	
grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations, and any other affected facility as defined by this rule	7%, as a 6-minute average
crushers	12%, as a 6-minute average

- i. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
- j. This emissions unit is exempt from the requirements of OAC rule 3745-110-03(F) pursuant to OAC rule 3745-110-03 (K).
- k. No emission limitations were established under OAC rule 3745-31-05(A)(3) for stack PE, VOC, and SO<sub>2</sub> because emissions were determined to be negligible.

c) **Operational Restrictions**

- (1) The permittee shall not exceed a material throughput of 255,500 tons per year for the emissions unit.
- (2) The permittee shall burn only number two fuel oil in this emissions unit.

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain monthly records of the amount of material processed through the emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year.
- (2) Except as otherwise provided in this section, for aggregate processing operations that are not adequately enclosed, the permittee shall perform visible emission inspections of such operations during representative, normal operating conditions in accordance with the following minimum frequencies:

<b>Aggregate Processing Operation</b>	<b>Minimum Inspection Frequency</b>
each loading operation (into a feeder, hopper, or crusher)	once per day of operation
each plant conveyor & transfer point	once per day of operation

- (3) The permittee shall maintain daily 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)(3)d. shall be kept separately for each aggregate processing operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (4) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive visible particulate emissions from the jaw crusher. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(4)d. above or continue the daily check until the incident has

ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- (5) For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (2) The permittee shall identify in the annual permit evaluation report the following information in accordance with the monitoring requirements in d)(1), d)(2), d)(3) and d)(4) above during the 12-month reporting period for this emissions unit:
  - a. the total material throughput, in tons, for the previous calendar year;
  - b. each day when a fuel other than number two fuel oil was burned in this emissions unit;
  - c. for the crushing operation:
    - i. all days during which any visible fugitive particulate emissions were observed;
    - ii. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions;
  - d. for the aggregate processing operations:
    - i. each day during which an inspection was not performed by the required frequency;
    - ii. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
- (3) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (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 conveyor belt:
    - i. the width of the existing belt being replaced; and
    - ii. the width of the replacement conveyor belt.
- (5) The notification shall be submitted to the appropriate District Office (DO) or Local Air Agency (LAA) within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
- a. actual start-up date (within 15 days after such date); and
  - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to appropriate DO or LAA.

The addresses for these offices are located at the following web page:

<http://www.epa.ohio.gov/dapc/general/dolaa.aspx>.

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:  
2.04 tons fugitive PE/yr

Applicable Compliance Method:

The annual fugitive dust emission limitation was developed by multiplying the following emission factors from AP-42 Section 11.19.2-2 (8/04) by the annual throughput restriction of 255,500 tons/year, and then dividing by 2000 pounds/ton:



Aggregate Processing Operation	PE Emission Factor
loading	0.000016 lb/ton processed
crushing	0.007 lb/ton processed
3 transfer points	0.003 lb/ton processed

Provided compliance is shown with the operational restriction of this permit and the requirement to apply best available control measures, compliance with the annual emission limitation shall also be demonstrated.

- b. Emission Limitation:  
0.59 lb CO/hr & 2.58 tons CO/yr

Applicable Compliance Method:

The hourly emission limitation was developed by multiplying the manufacturer supplied exhaust emissions certification data emission factor of 1.2 grams CO/hp-hr by the maximum rated horsepower of 225 and multiplying by a conversion factor of 1 lb/454 gram.

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission test performed in accordance Methods 1 through 4 and 10, as appropriate, of 40 CFR Part 60, Appendix A.

The annual limitation was developed by multiplying the maximum hourly emissions limitation by 8760 hrs/yr and applying a conversion factor of 2000 lbs/ton. Therefore, provided compliance is demonstrated with maximum hourly emissions limitation, compliance with the annual emission limitation shall also be demonstrated.

- c. Emission Limitation:  
3.22 lbs NOx/hr & 14.10 tons NOx/yr

Applicable Compliance Method:

Compliance with the hourly emission limitation may be based upon multiplying the manufacturer supplied exhaust emissions certification data emission factor of 6.5 grams NOx/hp-hr by the maximum rated horsepower of 225 and multiplying by a conversion factor of 1 lb/454 gram.

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission test performed in accordance with Methods 1 through 4 and 7, as appropriate, of 40 CFR Part 60, Appendix A.

The annual limitation was developed by multiplying the maximum hourly emissions limitation by 8760 hrs/yr and applying a conversion factor of 2000 lbs/ton. Therefore, provided compliance is demonstrated with maximum hourly

emissions limitation, compliance with the annual emission limitation shall also be demonstrated.

d. Emissions Limitation:

Visible PE from the stack serving this emission unit shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the visible particulate emissions limitation in accordance with OAC rule 3745-17-03(B)(1).

e. Emissions Limitation:

PE from the engine exhaust shall not exceed 0.310 lb/mmBtu of actual heat input for a stationary small internal combustion engine

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the particulate emissions limitation in accordance with OAC rule 3745-17-03(B)(10).

f. Emission Limitation:

Visible fugitive particulate emissions from loading operations into any screening operation, feed hopper, or crusher shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

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

g. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any of the following operations: transfer points, screens, grinding mills, bucket elevators, enclosed truck or railcar unloading, storage bins, and bagging operations, any visible emissions of fugitive dust which exhibit greater than 7% opacity, as a six-minute average (unless otherwise specified).

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

h. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any crusher, any visible emissions of fugitive dust which exhibit greater than 12% opacity, as a six-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675 [See f)(2)].

- (2) The permittee shall conduct, or have conducted, testing for affected facilities, that are subject to 40 CFR Part 60, Subpart OOO.
- a. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60.675.
  - b. The emission testing shall be conducted:
    - i. within 3 months after issuance of the permit;
    - ii. a repeat performance test within 5 years from the previous performance test (per Table 3 of 40 CFR, Part 60, Subpart OOO) in accordance with 40 CFR 60.11 and 40 CFR 60.675; and,
    - iii. at such other 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 emissions rates:
  - i. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
- d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate DO or LAA. 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 appropriate DO or LAA.



- f. Personnel from the appropriate DO or LAA 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 from the emissions unit and /or the performance of the control equipment.
  - g. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the appropriate DO or LAA within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate DO or LAA.
- g) Miscellaneous Requirements
- (1) None.