



Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

2/15/2011

Beth Mowrey
Shalersville Plant #411
P.O. Box 266
Thornville, OH 43076

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1667000072
Permit Number: P0107443
Permit Type: OAC Chapter 3745-31 Modification
County: Portage

Certified Mail

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

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI 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
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions, please contact Akron Regional Air Quality Management District at (330)375-2480 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: ARAQMD



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Shalersville Plant #411**

Facility ID:	1667000072
Permit Number:	P0107443
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	2/15/2011
Effective:	2/15/2011
Expiration:	7/9/2019



Division of Air Pollution Control
Permit-to-Install and Operate
for
Shalersville Plant #411

Table of Contents

Authorization 1
A. Standard Terms and Conditions 3
1. What does this permit-to-install and operate ("PTIO") allow me to do?..... 4
2. Who is responsible for complying with this permit? 4
3. What records must I keep under this permit? 4
4. What are my permit fees and when do I pay them?..... 4
5. When does my PTIO expire, and when do I need to submit my renewal application? 4
6. What happens to this permit if my project is delayed or I do not install or modify my source? 5
7. What reports must I submit under this permit? 5
8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit? 5
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? ... 5
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? 6
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? 6
12. What happens if one or more emissions units operated under this permit is/are shut down permanently? 6
13. Can I transfer this permit to a new owner or operator?..... 7
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? 7
15. What happens if a portion of this permit is determined to be invalid? 7
B. Facility-Wide Terms and Conditions..... 8
C. Emissions Unit Terms and Conditions 10
1. F001, Sand and Gravel Plant..... 11
2. F002, Storage Piles..... 21
3. F003, Plant Roadways..... 26



Authorization

Facility ID: 1667000072
Application Number(s): A0041055
Permit Number: P0107443
Permit Description: Aggregate processing plant, roadways and storage piles.
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: \$625.00
Issue Date: 2/15/2011
Effective Date: 2/15/2011
Expiration Date: 7/9/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Shalersville Plant #411
3943 Beck Road
Mantua, OH 44255

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

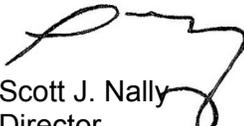
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Akron Regional Air Quality Management District
146 South High Street, Room 904
Akron, OH 44308
(330)375-2480

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


Scott J. Nally
Director



Authorization (continued)

Permit Number: P0107443
Permit Description: Aggregate processing plant, roadways and storage piles.

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

Emissions Unit ID:	F001
Company Equipment ID:	Sand and Gravel Plant
Superseded Permit Number:	P0105155
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F002
Company Equipment ID:	Storage Piles
Superseded Permit Number:	P0105155
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F003
Company Equipment ID:	Plant Roadways
Superseded Permit Number:	P0105155
General Permit Category and Type:	Not Applicable

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. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

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



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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Akron Regional Air Quality Management District 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 submitting¹ 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 emissions 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.

¹ Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

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

C. Emissions Unit Terms and Conditions



1. F001, Sand and Gravel Plant

Operations, Property and/or Equipment Description:

Modification of an existing aggregate processing plant includes the addition of secondary crushing/screening and material transfer equipment for product resizing. The maximum processing rate of each crushing and screening operation is 600 tons/hour, and the maximum material handling rate for each unloading, loading and transfer operation is 600 tons/hour. Except for mobile sources, the entire aggregate processing plant is electrically-powered from the electric utility grid. Also, the facility does not use a capture system to control emissions of particulate matter. Therefore, there are no stacks and, consequently, no stack emissions. The only air contaminant emissions from this stationary source are fugitive emissions of particulate matter. The facility cites the use of raw materials inherently saturated with water (underground mineral removal and washing operations) as a fugitive emissions control method. This modified aggregate processing plant is subject to the applicable requirements of 40 CFR Part 60, Subpart OOO without the use of an emissions capture system.

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.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Row a: OAC rule 3745-31-05(A)(3), as effective 11/30/01; Particulate matter emissions less than 10 microns in diameter (PM10) shall not exceed 5.0 tons/year (based on a production schedule of 8760 hours/year); Visible emissions of fugitive dust from front-end loading onto grizzly screen shall not exceed 20 percent opacity, as a 3-minute average.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>The permittee shall minimize or eliminate visible emissions of fugitive dust from emissions unit F001. If the inherent moisture in the sand and gravel is not sufficient to comply with the opacity limits of this permit, the permittee shall install equipment to apply water, or any other suitable dust suppressant, at appropriate locations in the production line.</p> <p>See b)(2)(c).</p>
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)(d).
c.	OAC rule 3745-17-07(A)	None. There are no stacks installed on this emissions unit.
d.	OAC rule 3745-17-07(B)	None. Pursuant to OAC rule 3745-17-07(B)(11)(e), the visible PE limitations specified in paragraphs (B)(1) to (B)(9) of OAC rule 3745-17-07 do not apply to any fugitive dust source which is not located within the geographical areas specified in appendix A of rule 3745-17-08 of the Administrative Code.
e.	OAC rule 3745-17-08(A)(1)	None. The requirements of OAC rule 3745-17-08(B) are not applicable to emissions unit F001 since it is not located within an "Appendix A" area, as identified in OAC rule 3745-17-08.
f.	40 CFR Part 60, Subpart OOO	<p>For affected facilities (as defined in §§ 60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet the following fugitive emissions limits:</p> <p>10 percent opacity, based on the average of five 6-minute averages, for grinding mills, screening operations, bucket elevators, transfer points on conveyor belts, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§ 60.670 and 60.671); and 15 percent opacity, based on the average of five 6-minute averages, for crushers at which a capture system is not used.</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>For affected facilities (as defined in §§ 60.670 and 60.671) that commenced construction, modification, or reconstruction on or after April 22, 2008, the owner or operator must meet the following fugitive emissions limits:</p> <p>7 percent opacity, based on the average of five 6-minute averages, for grinding mills, screening operations, bucket elevators, transfer points on conveyor belts, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§ 60.670 and 60.671); and 12 percent opacity, based on the average of five 6-minute averages, for crushers at which a capture system is not used.</p>

(2) Additional Terms and Conditions

- a. The 5.0 tons/year PM₁₀ limitation was established for PTIO purposes to reflect the potential to emit for this emission unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
- b. The permittee shall apply for and, if required, obtain a modification to this permit or obtain a new final permit-to-install and operate (PTIO) prior to making any change to equipment, change in the method of operation, or any other change in any emissions unit of this emissions unit group that results in an increase in the allowable emissions or results in an increase in emissions of greater than the de minimis levels in OAC rule 3745-15-05 of any type of air contaminant not previously emitted.
- c. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA

approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

- d. The following rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PM₁₀ emissions from this air contaminant source since the uncontrolled potential to emit for PM₁₀ is less than 10 tons/year.

- e. The crusher and associated material handling operations (excluding front-end loading onto grizzly screen) is applicable to the requirements of 40 CFR Part 60 Subpart OOO when the crusher is used to crush any non-metallic mineral material* as defined in 60.671. The provisions of 40 CFR Part 60 Subpart OOO do not apply to the crusher and associated material handling operations when used to process material that is not defined as a non-metallic mineral. The voluntary restrictions proposed by the permittee under OAC 3745-31-05(C) are equivalent to or more stringent than any requirements/emissions limitations as may be applicable under 40 CFR Part 60 Subpart OOO.

**Nonmetallic mineral means any of the following minerals or any mixture of which the majority is any of the following minerals: (a) Crushed and Broken Stone, including Limestone, Dolomite, Granite, Traprock, Sandstone, Quartz, Quartzite, Marl, Marble, Slate, Shale, Oil Shale, and Shell (b) Sand and Gravel (c) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay (d) Rock Salt (e) Gypsum (f) Sodium Compounds, including Sodium Carbonate, Sodium Chloride, and Sodium Sulfate (g) Pumice (h) Gilsonite (i) Talc and Pyrophyllite (j) Boron, including Borax, Kernite, and Colemanite (k) Barite (l) Fluorospar. (m) Feldspar (n) Diatomite (o) Perlite (p) Vermiculite (q) Mica (r) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.*

- f. The material handling operation(s) that are covered by this permit and subject to the following requirements are listed below:

Load in
Crushing
Screening
Conveying
Transfer points

The permittee shall employ control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to minimize material drop heights and maintain high moisture content of the material being processed, and if necessary, employ wet suppression to ensure compliance.

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

- g. For each processing and 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 processing/handling operations until further observation confirms that use of the control measures is unnecessary.

- h. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
i. The application and enforcement of the provisions of NSPS, as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, for each material processing and handling operation that is not adequately enclosed, the permittee shall perform inspections of such material processing and handling operations in accordance with the following minimum frequencies in order to determine if control measures need to be implemented:

Table with 2 columns: Material Processing and Handling Operation(s), Minimum Inspection Frequency. Row 1: All Operations, Once During Each Day of Operation

The inspections shall be performed during representative, normal operating conditions.

- (2) The permittee shall maintain records of the following information for the material processing and handling operations:
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 measures;
c. the dates the control measures were implemented; and
d. on a calendar quarter basis, the total number of days the control measures were implemented.

The information in (2)d. above shall be kept separately for each material processing and handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (3) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if

operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the Director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- (2) The permittee shall identify the following information in the annual PER in accordance with the monitoring and record keeping requirements in d)(1) and d)(2) above:
 - a. each day during which an inspection of the material processing and handling operations was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
- (3) The owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in §60.672(b) and the emission test requirements of §60.11.
- (4) The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment of equal or smaller size having the same function as the existing facility:
 - a. for a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:
 - 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; and
- d. for a storage bin:
 - i. the rated capacity in tons of the existing bin being replaced, and
 - ii. the rated capacity in tons of replacement storage bins.

The notification shall be submitted within 30 days after equipment replacement.

- (5) Pursuant to the general provisions of 40 CFR 60, Subpart A, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:

- a. notification of the actual date of initial startup of each affected facility.

For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

- b. date of performance testing (if required, at least 30 days prior to testing).

The notification requirements for testing may be fulfilled by the "Intent to Test" (ITT) notification required in d)(7). The ITT form should indicate an indication that the requirements of b. above are being fulfilled by the ITT notification.

- c. The Subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under Subpart OOO.

Reports are to be sent to:

Akron Regional AQMD
146 South High Street, Room 904
Akron, Ohio 44308

- (6) 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:

Akron Regional AQMD
146 South High Street, Room 904
Akron, Ohio 44308

f) Testing Requirements

(1) Compliance with the emission limitation(s) in Section b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation:

5.0 tons/year PM₁₀

Applicable Compliance Method:

Total Emissions = \sum crushing + screening + transfer points + loading operations

Crushing: multiply the AP-42 (8/04, Table 11.19.2-2) emission factor of 0.00054 lb PM₁₀/ton by the maximum process weight rate by 8760 hours/year and divide the result by 2,000.

Screening: multiply the AP-42 (8/04, Table 11.19.2-2) emission factor of 0.00074 lb PM₁₀/ton by the maximum process weight rate by 8760 hours/year and divide the result by 2,000.

Conveyor transfer points: multiply the AP-42 (8/04, Table 11.19.2-2) emission factor of 5×10^{-5} lb PM₁₀/ton by 12 transfer points by the maximum process weight rate by 8760 hours/year and divide the result by 2,000.

Loading operations: multiply the AP-42 (11/06, Table 13.2.4-1) emission factor of 1×10^{-5} lb PM₁₀/ton by the maximum process weight rate by 8760 hours/year and divide the result by 2,000.

b. Emission Limitation:

Visible emissions of fugitive dust from front-end loading onto grizzly screen shall not exceed 20 percent opacity, as a 3-minute average.

Applicable Compliance Method:

OAC rule 3745-17-03(B)(3)

c. Emission Limitations:

12 percent opacity and 15 percent opacity for crushing operations; and

7 percent opacity and 10 percent opacity for grinding mills, screening operations, bucket elevators, transfer points on conveyor belts, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility, as defined in this subpart

Applicable Compliance Method:

Compliance shall be demonstrated using US EPA Method 9 of 40 CFR Part 60, Appendix A and the procedures in 40 CFR Part 60, Subpart OOO.

- (2) The permittee shall conduct, or have conducted, performance testing for this emissions unit in accordance with the following requirements:
- a. For affected facilities (as defined in §§ 60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, an initial performance test according to §60.11 of 40 CFR Part 60 and §60.675 of 40 CFR Part 60, Subpart OOO.
 - b. For affected facilities (as defined in §§ 60.670 and 60.671) that commenced construction, modification, or reconstruction on or after April 22, 2008, an initial performance test according to §60.11 of 40 CFR Part 60 and §60.675 of 40 CFR Part 60, Subpart OOO; and, if water sprays are used, periodic inspections of the water sprays according to §60.674(b) and §60.676(b); or repeat performance tests, according to §60.11 and §60.675, with each repeat test within 5 years from the previous performance test, for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in §60.674(b) and §60.676(b) are exempt from this 5-year repeat testing requirement.
 - c. The initial performance test shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after modification of the emissions unit.
 - d. The performance testing shall be conducted to demonstrate compliance with the applicable opacity limits in this permit for fugitive emissions for affected facilities, as defined in §§ 60.670 and 60.671.
 - e. US EPA Method 9 and the procedures specified in §60.11 and §60.675 shall be used to determine opacity.
 - f. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
 - g. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).



- h. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- i. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

The performance testing requirements of 40 CFR Part 60, Subpart OOO do not apply to the crushing, screening, and associated material handling operations when used to process material that is not defined as a non-metallic mineral. (non-metallic mineral is defined in 60.671).

- g) **Miscellaneous Requirements**
 - (1) None.



2. F002, Storage Piles

Operations, Property and/or Equipment Description:

Storage Piles

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

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Row a: OAC rule 3745-31-05(A)(3) with emissions limits for PM10, PE, and visible PE. Row b: OAC rule 3745-17-07(B) with no emissions limits.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Administrative Code.
c.	OAC rule 3745-17-08(B)	None. The requirements of OAC rule 3745-17-08(B) are not applicable to emissions unit F002 since it is not located within an "Appendix A" area, as identified in OAC rule 3745-17-08.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to maintain minimal drop heights for stackers and front-loaders, and chemical stabilization/dust suppressants and/or watering/sprinkling systems at sufficient treatment frequencies to ensure compliance.
- b. The operator shall avoid dragging any front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- c. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- d. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the application, the permittee has committed to perform one or more of the following: (chemical stabilization, watering/sprinkling systems/hoses, covering the storage piles) to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

- f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3).
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:
- | <u>storage pile identification</u> | <u>minimum load-in inspection frequency</u> |
|------------------------------------|---|
| all | daily |
- (2) Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:
- | <u>storage pile identification</u> | <u>minimum load-out inspection frequency</u> |
|------------------------------------|--|
| all | daily |
- (3) Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:
- | <u>storage pile identification</u> | <u>minimum wind erosion inspection frequency</u> |
|------------------------------------|--|
| all | daily |
- (4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- (5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

- (6) The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in d)(6)d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emissions Limitations:

3.1 tons/year of fugitive PM10

6.4 tons/year of fugitive PE

Applicable Compliance Method:

Compliance with fugitive PE limitations shall be determined by using the emission factor equations in Sections 13.2.4 and 13.2.5, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 1/95), for load-in operations, load-out operations, and wind erosion. These emission limits in the General Permit were based on a maximum production of 3,000,000 tons per year, a maximum storage surface area less than or equal to 6 acres, and a 95 % overall control efficiency for PE and PM10.

b. Emission Limitation:

There shall be no visible PE except for a period of time not to exceed one minute in any 60-minute observation period.

Applicable Compliance Method:

Compliance with the visible PE limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 (Standards of Performance for New Stationary Sources).

g) Miscellaneous Requirements

(1) None.



3. F003, Plant Roadways

Operations, Property and/or Equipment Description:

Plant Roadways

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

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Row a: OAC rule 3745-31-05(A)(3) with limitations on fugitive particulate matter and visible PE. Row b: OAC rule 3745-17-07(B)(5) with no limitations.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Administrative Code.
c.	OAC rule 3745-17-08(B)	None. The requirements of OAC rule 3745-17-08(B) are not applicable to emissions unit F003 since it is not located within an "Appendix A" area, as identified in OAC rule 3745-17-08.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to treat the unpaved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in his paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for unpaved roadways and parking areas that are covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- c. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- d. Any unpaved roadway or parking area that is subsequently paved, will require a General Permit for paved roadways and parking areas.
- e. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:

<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all	daily

- (2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

- (3) The permittee shall maintain records of the following information:

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

The information required in Term d)(3)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit..

f) Testing Requirements

- (1) Compliance with the emission limitations in Term b)(1) shall be determined in accordance with the following methods:



a. Emission Limitations:

7.4 tons/year of fugitive PM10

25.2 tons/year of fugitive PE

Applicable Compliance Method:

Compliance with fugitive PE and PM10 limitations shall be determined by using the emission factor equations in Section 13.2.2, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for unpaved roadways. Should further updates in AP-42 occur, the most current equations for unpaved roads shall be used. These emission limits in the General Permit were used on a maximum of 120,000 vehicle miles traveled per year, and a 95% control efficiency for PE and PM10.

b. Emission Limitation:

No visible PE from unpaved roadways and parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

g) Miscellaneous Requirements

(1) None.