



9/23/2014

Certified Mail

Brian Riedmaier
National Lime & Stone Company
1331 Broad Avenue, Suite 100
Findlay, OH 45840

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0317010115
Permit Number: P0117574
Permit Type: Renewal
County: Crawford

Dear Permit Holder:

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

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

How to appeal this permit

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

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

How to save money, reduce pollution and reduce energy consumption

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

How to give us feedback on your permitting experience

Please complete a survey at 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 by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, 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,



Erica R. Engel-Ishida, Interim Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-NWDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
National Lime & Stone Company**

Facility ID:	0317010115
Permit Number:	P0117574
Permit Type:	Renewal
Issued:	9/23/2014
Effective:	9/23/2014
Expiration:	9/23/2024



Division of Air Pollution Control
Permit-to-Install and Operate
for
National Lime & Stone Company

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Final Permit-to-Install and Operate
National Lime & Stone Company
Permit Number: P0117574
Facility ID: 0317010115
Effective Date: 9/23/2014

Authorization

Facility ID: 0317010115
Application Number(s): A0051680, A0051682
Permit Number: P0117574
Permit Description: PTIO renewal permit to transition the facility out of the Title V program due to the shutdown of several significant emissions units.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 9/23/2014
Effective Date: 9/23/2014
Expiration Date: 9/23/2024
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

National Lime & Stone Company
4580 Bethel Road
Bucyrus, OH 44820

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

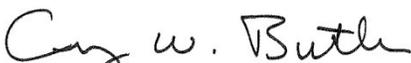
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

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: P0117574
 Permit Description: PTIO renewal permit to transition the facility out of the Title V program due to the shutdown of several significant emissions units.

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

Emissions Unit ID: P901
 Company Equipment ID: Aggregate Processing Plant
 Superseded Permit Number: P0115138
 General Permit Category and Type: Not Applicable

Group Name: A

Emissions Unit ID:	F005
Company Equipment ID:	Roadways
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F006
Company Equipment ID:	Stockpiles
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F007
Company Equipment ID:	Mineral Extraction
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
National Lime & Stone Company
Permit Number: P0117574
Facility ID: 0317010115
Effective Date: 9/23/2014

A. Standard Terms and Conditions



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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

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



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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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



Final Permit-to-Install and Operate
National Lime & Stone Company
Permit Number: P0117574
Facility ID: 0317010115
Effective Date: 9/23/2014

B. Facility-Wide Terms and Conditions



Final Permit-to-Install and Operate
National Lime & Stone Company
Permit Number: P0117574
Facility ID: 0317010115
Effective Date: 9/23/2014

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 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.



Final Permit-to-Install and Operate
National Lime & Stone Company
Permit Number: P0117574
Facility ID: 0317010115
Effective Date: 9/23/2014

C. Emissions Unit Terms and Conditions



1. P901, Aggregate Processing Plant

Operations, Property and/or Equipment Description:

aggregate processing plant with primary and secondary crushing, screening, conveying and material handling operations, and tertiary plant

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific 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(F)	<u>Stack emissions from baghouse controlling secondary crushing and screening:</u> 2.26 lb particulate matter 10 microns or less in size (PM10) per hour; 9.90 tons PM10 per year See b)(2)b.
b.	ORC 3704.03(T)	Visible fugitive particulate emission limitations [See b)(2)i.] 0.022 grain/dscf of particulate matter 10 microns or less in size (PM10) from baghouse controlling secondary crushing and screening [See b)(2)c.]
c.	OAC rule 3745-17-07(B)	See b)(2)e.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
d.	OAC rule 3745-17-08(B)	See b)(2)g.
e.	OAC rule 3745-17-11(A)	See b)(2)g.
f.	OAC rule 3745-17-07(A)	See b)(2)h.
g.	40 CFR, Part 60, Subpart OOO	Visible fugitive particulate emission limitations [See b)(2)i.] 0.022 grain/dscf of particulate matter from baghouse controlling secondary crushing and screening and 7 percent opacity from baghouse stack [See b)(2)i.]

(2) Additional Terms and Conditions

- a. This permit addresses an aggregate processing plant consisting of the following:
 - i. only two material unloading operation designed to be operational at any time (e.g. dumping into feeder, hopper);
 - ii. a maximum of one primary crusher in operation at any time;
 - iii. a maximum of 4 screens in operation at any time (e.g. primary, secondary, etc.). This restriction does not include screens subject to a “no visible emissions” opacity limitation [wet screening and screening of saturated materials (see b)(2)e.);
 - iv. a maximum of 62 transfer points in operation at any time; and
 - v. a maximum material throughput of 4,620,000 tons per year (based on throughput for primary crushing operations).

- b. This permit establishes the following legally and practically enforceable limitations for the purpose of limiting the potential to emit (PTE) from the baghouse controlling secondary crushing and screening:

- i. 2.26 lb of PM10/hour;
- ii. 9.90 tons of PM10/year; and

The legally and practically enforceable limitations are voluntary restrictions established under OAC rule 3745-31-05(F) and are based on the operational restriction in c)(1).

- c. The Best Available Technology (BAT) requirements under ORC 3704.03(T) have been determined to be the following:



- i. compliance with the voluntary requirement established under OAC rule 3745-31-05(F) to use a baghouse achieving a maximum outlet concentration of 0.022 grain PM10/dscf;
- ii. compliance with visible emission limitations established under 40 CFR Part 60 Subpart OOO [see b)(2)i.];
- iii. visible emission limitations established under ORC 3704.03(T) [see b)(2)i.]

d. The permittee has indicated the application of the following control measures for fugitive material processing/handling operations for the purpose of ensuring compliance with the applicable visible emission limitations and obtaining reductions in PM10 emissions. In accordance with the permit application, the permittee has committed to perform the following control measure(s):

material processing/handling operation control measure(s)

unloading	reduced drop height
primary crushing and screening	water sprays as needed
secondary crushing and screening	wet suppression as needed or baghouse control
transfer/conveying	wet suppression as needed

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

- 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. National Lime and Stone 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 limitation specified by this rule is less stringent than the maximum outlet concentration for the baghouse established pursuant to 40 CFR Part 60 Subpart OOO.
- h. The limitation specified by this rule is less stringent than the opacity limitation for the baghouse established pursuant to 40 CFR Part 60 Subpart OOO.
- i. Visible fugitive emissions from the material processing/handling operation shall not exceed the following opacity limitations:



Material Handling/Processing Operation	Opacity limit	Regulatory Basis
material unloading to feeder	20%, as a 3-minute average	ORC 3704.03(T)
wet screening and screening of saturated materials	no visible emissions	ORC 3704.03(T)
conveyor transfer points of saturated materials	no visible emissions	ORC 3704.03(T)
transfer points on belt conveyors or any other affected facility in a building	7%, as a 6-minute average	40 CFR Part 60 Subpart OOO
For affected facilities (as defined in 60.670 and 60.671) that commenced construction, modification, or reconstruction before August 31, 1983:		
crushing/with no capture system	15%, as a 6-minute average	ORC 3704.03(T)
conveyor transfer points feeding and exiting crushers	15%, as a 6-minute average	ORC 3704.03(T)
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	10%, as a 6-minute average	ORC 3704.03(T)
secondary crushing and screening controlled by baghouse	7%, as a 6-minute average	40 CFR Part 60 Subpart OOO
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:		
Crushing/with no capture system	15%, as a 6-minute average	40 CFR Part 60 Subpart OOO
conveyor transfer points feeding and exiting crushers	15%, as a 6-minute average	40 CFR Part 60 Subpart OOO
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	10%, as a 6-minute average	40 CFR Part 60 Subpart OOO
For affected facilities (as defined in 60.670 and 60.671) that commenced construction, modification, or reconstruction on or after April 22, 2008:		
crushers with no capture system	12 %, as a 6-minute average	40 CFR Part 60 Subpart OOO
grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations, and any	7%, as a 6-minute average	



other affected facility as defined by this rule		40 CFR Part 60 Subpart OOO
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c) Operational Restrictions

- (1) The following operational restriction is being established for the purpose of establishing the following legally and practically enforceable requirement which limits PTE:
 - a. when employing baghouse control to secondary crushing and screening operations, the baghouse shall achieve a maximum outlet grain loading concentration of 0.022 gr(PM10)/dscf.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the following material processing/handling operations:

Material Processing/Handling Operation
each unloading operation (truck/front-end loader dumping into a feeder, hopper, or crusher)
each plant conveyor and transfer point
each screen
each crusher

The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

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

The daily checks shall include visible fugitive particulate emissions from secondary crushing and screening operations when baghouse control is employed.

- (2) When employing the baghouse, the permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.
- a. The permittee shall record the pressure drop across the baghouse on weekly basis.
 - b. Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:
 - i. the date and time the deviation began;
 - ii. the magnitude of the deviation at that time;
 - iii. the date the investigation was conducted;
 - iv. the name(s) of the personnel who conducted the investigation; and
 - v. the findings and recommendations.
 - c. In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary.
 - i. The permittee shall maintain records of the following information for each deviation when it was determined that corrective action was not necessary:
 - (a) the reason corrective action was not necessary; and
 - (b) the date and time the deviation ended.
 - ii. The permittee shall maintain records of the following information for each corrective action taken:



- (a) a description of the corrective action;
 - (b) the date corrective action was completed;
 - (c) the date and time the deviation ended;
 - (d) the total period of time (in minutes) during which there was a deviation;
 - (e) the pressure drop readings immediately after the corrective action was implemented; and
 - (f) the name(s) of the personnel who performed the work.
- iii. Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.
- d. Pressure drop indicator range
- In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range established for the pressure drop across the baghouse (when employed) is between 0.5 to 10 inches of water.
- e. This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.
- (3) When using a wet suppression system to control fugitive dust, the permittee shall perform monthly periodic inspections for each piece of equipment constructed, modified, or reconstructed on or after April 22, 2008, to check that water is flowing to the discharge spray nozzles. The permittee must initiate corrective action within 24 hours and complete corrective action as 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)(5).
- (4) If the permittee, meeting the requirements of d(3) above, ceases operation of the water sprays or is using a control mechanism other than water sprays to reduce fugitive dust emissions during the monthly inspection (for example, water from recent rainfall), the logbook entry required under d)(5) must specify the control mechanism being used instead of the water sprays.



- (5) The permittee must record each periodic inspection required under d)(3) and d)(4), 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.
- (6) This permit addresses aggregate processing plant operations based on a design/configuration and a maximum annual material throughput as contained in PTIO application A0051682. Prior to making any physical change or change in the method of operation (i.e. changes in; plant configuration, equipment, materials produced, increased throughput, etc.), the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01. If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final PTIO modification prior to performing such change as required by OAC rule 3745-31.

The permittee shall collect, record, and retain all evaluation information and the final determination when modification evaluations are performed. Each evaluation performed at a minimum shall include the following information:

- a. the number of unloading operations designed to be operational at any time;
 - b. the number of crushers designed to be operational at any time;
 - c. the number of screens designed to be operational at any time;
 - d. the number of transfer points designed to be operational at any time;
 - e. changes (if any) in the maximum annual throughput for the aggregate processing line (based on throughput for primary crushing operations).
- 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 for visible emissions in term number d)(1) above:
 - a. all days during which any visible fugitive particulate emissions were observed from material processing/handling operations (i.e., crushing, screening or transfer points); and
 - b. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

The above information shall be provided as an attachment to the PER. If there are no day(s) and/or corrective actions to identify as required above, the permittee shall indicate



within the “Additional Information and Corrections” section of the PER that no visible emissions were observed and no corrective actions were taken.

- (3) The permittee shall identify in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this emissions unit:
 - a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the acceptable range;
 - b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;
 - c. each incident of deviation described in “a” (above) where a prompt investigation was not conducted;
 - d. each incident of deviation described in “a” where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
 - e. each incident of deviation described in “a” where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.

- (3) In accordance with 40 CFR 60.676(a), 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.



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:

Visible PE shall not exceed 20% opacity, as a 3-minute average during unloading operation (truck/front-end loader dumping into a feeder, hopper, or crusher).

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

b. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

c. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

d. Emission Limitation:

0.022 grain PM10/dscf from secondary crushing and screening baghouse

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 201/201A and 202 of 40 CFR Part 51, Appendix M.



e. Emission Limitation:

2.26 lb PM10/hour from secondary crushing and screening baghouse

Applicable Compliance Method:

The hourly emission limitation was established by multiplying the maximum outlet concentration of 0.022 gr/dscf by the maximum volumetric flow rate of 12,000 cfm, 60 minutes/hour, and dividing by 7000 grains/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 201 or 201A of 40 CFR Part 51, Appendix M.

f. Emission Limitation:

9.90 tons PM10/year from secondary crushing and screening baghouse

Applicable Compliance Method:

The tons/yr limitation was developed by multiplying the maximum outlet concentration by a maximum volumetric airflow of 12,000 cfm, 60 minutes/hour, a maximum operating schedule of 8760 hours/year and dividing by 7000 grains/lb and 2000 lbs/ton. Therefore, provided compliance is demonstrated with the maximum outlet concentration, compliance with the annual limitation shall also be demonstrated.

g. Emission Limitation:

0.022 grain PM/dscf from secondary crushing and screening baghouse

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 – 5 of 40 CFR Part 60, Appendix A.

h. Emission Limitation:

Visible PE from the secondary crushing and screening baghouse shall not exceed 7% opacity, as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

g) Miscellaneous Requirements

- (1) None.



2. Emissions Unit Group -A: F005,F006,F007,

EU ID	Operations, Property and/or Equipment Description
F005	Paved and Unpaved Roadways
F006	Storage Piles
F007	Mineral Extraction

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific 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 3745-17-07(B)	See b)(2)a.
b.	OAC rule 3745-17-08(B)	See b)(2)b.

(2) Additional Terms and Conditions

a. These emissions units are exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11) (e).

b. This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), these emissions units are exempt from the requirements of OAC rule 3745-17-08(B).

c) Operational Restrictions

(1) None.



- d) Monitoring and/or Recordkeeping Requirements
 - (1) None.
- 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.
- f) Testing Requirements
 - (1) None.
- g) Miscellaneous Requirements
 - (1) None.