



State of Ohio Environmental Protection Agency

STREET ADDRESS:

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50 W. Town St., Suite 700
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P.O. Box 1049
Columbus, OH 43216-1049

4/9/2009

DAN MAPES
NATIONAL LIME & STONE CO BUCKLAND PLANT
PO BOX 120
FINDLAY, OH 45839

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0306000103
Permit Number: P0104742
Permit Type: Renewal
County: Auglaize

Certified Mail

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

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate ("PTIO") which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully.

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

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

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

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

Sincerely,

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

Cc: Ohio EPA-NWDO

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



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

FINAL

**Air Pollution Permit-to-Install and Operate
for
NATIONAL LIME & STONE CO BUCKLAND PLANT**

Facility ID: 0306000103
Permit Number: P0104742
Permit Type: Renewal
Issued: 4/9/2009
Effective: 4/9/2009
Expiration: 4/9/2019



State of Ohio Environmental Protection Agency
 Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
 for
NATIONAL LIME & STONE CO BUCKLAND PLANT

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Final Permit-to-Install and Operate
Permit Number: P0104742
Facility ID: 0306000103
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Authorization

Facility ID: 0306000103
Application Number(s): A0037322
Permit Number: P0104742
Permit Description: PTIO issuance - F001, F002, F003, F004
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 4/9/2009
Effective Date: 4/9/2009
Expiration Date: 4/9/2019
Permit Evaluation Report (PER) Annual Date: Apr 1 - Mar 31, Due May 15
This document constitutes issuance to:

NATIONAL LIME & STONE CO BUCKLAND PLANT
PO BOX 39
18430 MAIN STREET ROAD
Buckland, OH 45819

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

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

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

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director



Authorization (continued)

Permit Number: P0104742
Permit Description: PTIO issuance - F001, F002, F003, F004

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: | F001 |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | F002 |
| Company Equipment ID: | F002 |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | F003 |
| Company Equipment ID: | F003 |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | F004 |
| Company Equipment ID: | aggregate processing |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |



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Final Permit-to-Install and Operate

Permit Number: P0104742

Facility ID: 0306000103

Effective Date: 4/9/2009

A. Standard Terms and Conditions



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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.



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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104742

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Effective Date: 4/9/2009

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.



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B. Facility-Wide Terms and Conditions



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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.



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C. Emissions Unit Terms and Conditions



1. F001, Roadways and Parking Areas

Operations, Property and/or Equipment Description:

Roadways and parking areas

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07 (B)	See b)(2)a.
b.	OAC rule 3745-17-08 (B)	See b)(2)b.

(2) Additional Terms and Conditions

a. 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).

b. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.



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- e) Reporting Requirements
 - (1) None.
- f) Testing Requirements
 - (1) None.
- g) Miscellaneous Requirements
 - (1) None.



2. F002, Aggregate Storage Piles

Operations, Property and/or Equipment Description:

Aggregate Storage Piles

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07 (B)	See b)(2)a.
b.	OAC rule 3745-17-08 (B)	See b)(2)b.

(2) Additional Terms and Conditions

a. 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).

b. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.



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- e) Reporting Requirements
 - (1) None.
- f) Testing Requirements
 - (1) None.
- g) Miscellaneous Requirements
 - (1) None.



3. F003, Mineral Extraction Operations

Operations, Property and/or Equipment Description:

Mineral extraction operations

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07 (B)	See b)(2)a.
b.	OAC rule 3745-17-08 (B)	See b)(2)b.

(2) Additional Terms and Conditions

a. 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).

b. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.



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- e) Reporting Requirements
 - (1) None.
- f) Testing Requirements
 - (1) None.
- g) Miscellaneous Requirements
 - (1) None.



4. F004, Aggregate Processing - Crushing, Screening, Conveyance

Operations, Property and/or Equipment Description:

aggregate processing plant including crushing, screening, and conveying

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

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

a. none.

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

a. b)(2)e [with respect to NSPS], b)(2)f, b)(2)g, e)(2), e)(3), e)(4), f)(1), f)(2), f)(3)c, f)(3)e and f)(3)f.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A) (3)	6.48 tons fugitive particulate emissions (PE) /yr Visible emission restrictions [See b)(2)e.] Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a through b)(2)c.] See b)(2)d.
b.	40 CFR, Part 60, Subpart OOO	Visible emission restrictions [See b)(2)e.]
c.	OAC rule 3745-17-07 (B)	See b)(2)g.
d.	OAC rule 3745-17-08 (B)	See b)(2)h.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures for this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable



requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the material processed is at a level that is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.

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

- b. For each aggregate processing operation that is not adequately enclosed, the above-identified control measure(s) 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 measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the aggregate processing operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- c. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- d. The requirements of this rule also include compliance with 40 CFR Part 60, Subpart OOO.
- e. Visible particulate emissions shall comply with the following:

Emission Point (Company ID)	Equipment Type	Opacity Limit as a six-minute average, unless otherwise specified	Regulatory Basis for Limit
Front End Loader to Primary Hopper	transfer point	20% opacity as a 3-minute average	OAC rule 3745-31-05 (A) (3)
Primary Hopper to Grizzly Feeder	transfer point	15%	OAC rule 3745-31-05 (A) (3)
Grizzly Feeder to Primary Crusher	transfer point	15%	OAC rule 3745-31-05 (A) (3)
Primary Crusher	crusher	15%	OAC rule 3745-31-05 (A) (3)
Primary Crusher to Conveyor A1	transfer point	15%	OAC rule 3745-31-05 (A) (3)
Conveyor A1 to Conveyor 11	transfer point	10%	OAC rule 3745-31-05 (A) (3)



Conveyor 11 to Conveyor 10	transfer point	10%	NSPS, Subpart 000
Conveyor 10 to Conveyor 9	transfer point	10%	NSPS, Subpart 000
Conveyor 9 to Conveyor 8	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Conveyor 8 to Conveyor 7	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Conveyor 6 to Conveyor 5	transfer point	10%	NSPS, Subpart 000
Conveyor 5 to Conveyor 4	transfer point	10%	NSPS, Subpart 000
Conveyor 4 to Conveyor 3	transfer point	10%	NSPS, Subpart 000
Conveyor 3 to Conveyor 2	transfer point	10%	NSPS, Subpart 000
Conveyor 2 to Conveyor 1	transfer point	10%	NSPS, Subpart 000
Conveyor 1 to Primary Surge Bin	transfer point	10%	NSPS, Subpart 000
Primary Surge Bin to Conveyor B	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Conveyor B to 3-Deck Primary Screen	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Primary Screen	screen	10%	OAC rule 3745-31-05 (A) (3)
Primary Screen to Secondary Surge Bin	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Secondary Surge Bin to Secondary Crusher	transfer point	15%	OAC rule 3745-31-05 (A) (3)
Secondary Crusher	crusher	15%	NSPS, Subpart 000
Secondary Crusher to Conveyor C	transfer point	15%	OAC rule 3745-31-05 (A) (3)



Conveyor C to Conveyor D	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Conveyor D to Deister Secondary Screen	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Deister Secondary Screen	screen	10%	OAC rule 3745-31-05 (A) (3)
Deister Secondary Screen to Conveyor F	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Conveyor F to Conveyor E2	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Conveyor E2 to Conveyor 1	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Conveyor 1 to Conveyor G	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Conveyor G to Deister 2-Deck Wash Screen	transfer point	10%	OAC rule 3745-31-05 (A) (3)
Deister 2-Deck Wash Screen to Screw Conveyor	transfer point	No Visible Emissions [See b)(2)f.]	NSPS, Subpart 000
Screw Conveyor to Washed Sand Conveyor	transfer point	No Visible Emissions [See b)(2)f.]	NSPS, Subpart 000
Washed Sand Conveyor to Regrind Conveyor	transfer point	No Visible Emissions [See b)(2)f.]	NSPS, Subpart 000
Regrind Conveyor to Hammermill Surge Bin	transfer point	15%	OAC rule 3745-31-05 (A) (3)
Hammermill Surge Bin to Cedar Rapids Hammer Mill	transfer point	15%	OAC rule 3745-31-05 (A) (3)
Cedar Rapids Hammer Mill to Fines Elevator	transfer point	15%	OAC rule 3745-31-05 (A) (3)
Fines Elevator to Fines Screen Deister Single Deck (Ag Screen)	transfer point	10%	OAC rule 3745-31-05 (A) (3)



Ag Screen	screen	10%	OAC rule 3745-31-05 (A) (3)
Ag Screen to Conveyor K	transfer point	10%	OAC rule 3745-31-05 (A) (3)

- f. The permittee shall not cause to be discharged into the atmosphere any visible emissions from any wet screening operations and subsequent screening operations bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.
[40 CFR 60.672(h)]
- g. 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 for 40 CFR Part 60 are also federally enforceable.
- h. 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).
- i. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

- (1) The permittee shall not exceed 1,000,000 tons per year of aggregate processed in this emissions unit. This restriction is based on the aggregate throughput of the primary crusher.

d) Monitoring and/or Recordkeeping Requirements

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

Material Handling Operations:	Minimum Inspection Frequency:
All	Once During Each Day of Operation

- (3) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures for particulate emissions. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for a material handling operation 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 event shall be performed as soon as such event(s) has (have) ended, except if the next inspection is within one week.



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

The information in d)(4)d shall be kept separately for each material handling operation listed above, 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.

The permittee shall identify in the annual PER the following occurrences concerning inspection and control measure requirements:

- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
- (2) 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; and
 - b. for a screen:
 - 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; and



- c. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt.

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the equipment replacement.
[40 CFR 60.676(a)]

- (3) The permittee shall submit, or have submitted, written reports of the results of all performance test conducted to demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
- (4) 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. construction date (no later than 30 days after such date);
 - b. actual start-up date (within 15 days after such date); and
 - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC-Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049

and

Ohio EPA, Northwest District Office
347 North Dunbridge Road
Bowling Green, Ohio 43402

f) Testing Requirements

- (1) The permittee shall conduct, or have conducted, emission testing for the following transfer points and crushers associated with this emissions unit:

Conveyor 11 to Conveyor 10
Conveyor 10 to Conveyor 9
Conveyor 6 to Conveyor 5
Conveyor 5 to Conveyor 4
Conveyor 4 to Conveyor 3
Conveyor 3 to Conveyor 2
Conveyor 2 to Conveyor 1
Conveyor 1 to Primary Surge Bin
Secondary Crusher



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

The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rate for particulate emissions.

The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates: Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.

The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control.

- (2) Not later than 30 days prior to the proposed test(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emission tests.

Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.

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

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

Applicable Compliance Method:

The annual limitation is the summation of emissions generated from unloading, crushing, screening, and transfer points. Emissions for individual operations were calculated as follows:

For each unloading operation, multiply the AP-42 emission factor of 0.000016 lb PM10/ton (Section 11.19.2 - 8/04) by 2.1 and by the maximum annual throughput of 1,000,000 tons and divide by 2000.

For primary and secondary crushing, multiply the AP-42 controlled emission factor of 0.012 lb PE/ton (Section 11.19.2 - 8/04) by the maximum annual throughput of 1,000,000 tons and divide by 2000. For tertiary crushing, multiply



the AP-42 controlled emission factor of 0.0030 lb PE/ton (Section 11.19.2 - 8/04) by the maximum annual throughput of 100,000 tons and divide by 2000.

For primary and secondary screening multiply the AP-42 controlled emission factor of 0.0022 lb PE/ton (Section 11.19.2 - 8/04) by the maximum annual throughput of 1,000,000 tons and divide by 2000. For aggregate screening, multiply the AP-42 emission factor of 0.0036 lb PE/ton (Section 11.19.2 - 8/04) by the maximum annual throughput of 100,000 tons and divide by 2000.

For each transfer point, multiply the AP-42 controlled emission factor of 0.00014 lb PE/ton (Section 11.19.2 - 8/04) by the maximum annual throughput of 1,000,000 tons and divide by 2000.

Provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual PE limitation will be assumed.

b. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from front end loaders into primary hopper

Applicable Compliance Method:

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix of Test Methods: in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B) (3) (a) and (B) (3) (b) of OAC rule 3745-17-03.

c. Emission Limitation:

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

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as applicable. Testing of the secondary crusher is required as specified in f)(1) and f)(2). If required, compliance testing may include:

- Secondary Surge Bin to Secondary Crusher
- Secondary Crusher to Conveyor C
- Regrind Conveyor to Hammermill Surge Bin
- Hammermill Surge Bin to Cedar Rapids Hammer Mill
- Cedar Rapids Hammer Mill to Fines Elevator

d. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any screening operation, at which a capture system is not used, nor any non-NSPS transfer points, fugitive emissions which exhibit greater than 10% opacity. If required, compliance testing may include:



Conveyor A1 to Conveyor 11
Conveyor 9 to Conveyor 8
Conveyor 8 to Conveyor 7
Primary Surge Bin to Conveyor B
Conveyor B to 3-Deck Primary Screen
Primary Screen
Primary Screen to Secondary Surge Bin
Conveyor C to Conveyor D
Conveyor D to Deister Secondary Screen
Deister Secondary Screen
Deister Secondary Screen to Conveyor F
Conveyor F to Conveyor E2
Conveyor E2 to Conveyor 1
Conveyor 1 to Conveyor G
Conveyor G to Deister 2-Deck Wash Screen
Fines Elevator to Fines Screen Deister Single Deck (Ag Screen)
Ag Screen
Ag Screen to Conveyor K

Applicable Compliance Method:

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

e. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO. Testing of the following transfer points is required as specified in f)(1) and f)(2):

Conveyor 11 to Conveyor 10
Conveyor 10 to Conveyor 9
Conveyor 6 to Conveyor 5
Conveyor 5 to Conveyor 4
Conveyor 4 to Conveyor 3
Conveyor 3 to Conveyor 2
Conveyor 2 to Conveyor 1
Conveyor 1 to Primary Surge Bin

f. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere any visible emissions from any wet screening operations and subsequent screening operations bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 22 of 40 CFR, Part 60, Appendix A. If required, compliance testing may include:



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104742

Facility ID: 0306000103

Effective Date: 4/9/2009

Deister 2-Deck Wash Screen to Screw Conveyor
Screw Conveyor to Washed Sand Conveyor
Washed Sand Conveyor to Re grind Conveyor

g) Miscellaneous Requirements

(1) None.