



Environmental Protection Agency

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

10/29/2012

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

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0332010059
Permit Number: P0111131
Permit Type: OAC Chapter 3745-31 Modification
County: Hancock

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)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

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 Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb 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: Ohio EPA-NWDO



FINAL

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

Facility ID: 0332010059
Permit Number: P0111131
Permit Type: OAC Chapter 3745-31 Modification
Issued: 10/29/2012
Effective: 10/29/2012
Expiration: 2/15/2022



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

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Authorization

Facility ID: 0332010059
Application Number(s): A0045667
Permit Number: P0111131
Permit Description: Modification of the primary aggregate line to add conveyors, and a modification of the secondary aggregate line to increase the annual throughput and to add conveyors.
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: \$2,500.00
Issue Date: 10/29/2012
Effective Date: 10/29/2012
Expiration Date: 2/15/2022
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

National Lime & Stone Company
CO RD 313
FINDLAY, OH 45840

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

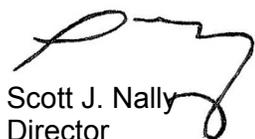
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

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


Scott J. Nally
Director



Authorization (continued)

Permit Number: P0111131
Permit Description: Modification of the primary aggregate line to add conveyors, and a modification of the secondary aggregate line to increase the annual throughput and to add conveyors.

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

Emissions Unit ID:	F018
Company Equipment ID:	Primary Aggregate Processing Plant
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F019
Company Equipment ID:	Secondary Aggregate Processing
Superseded Permit Number:	03-13276
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 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 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.

¹Permittees 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. F018, Primary Aggregate Processing Plant

Operations, Property and/or Equipment Description:

1000 TPH Primary Aggregate Processing Plant with Wet Suppression 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.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	4.46 tons of fugitive particulate matter less than 10 microns in size (PM10)/year Use of best available control measures (see b)(2)b. - b)(2)d.) Visible emissions restrictions (see b)(2)h.) See b)(2)a.
b.	OAC rule 3745-31-05(A)(3), as effective 12/01/06	See b)(2)e.
c.	OAC rule 3745-17-07(B)	See b)(2)f.
d.	OAC rule 3745-17-08(B)	See b)(2)g.
e.	40 CFR Part 60 Subpart OOO	10% opacity for transfer points and screening operations that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 7% opacity for transfer points and screening

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>operations that commenced construction, modification, or reconstruction after April 22, 2008</p> <p>15% opacity for any crusher at which a capture system is not used</p> <p>See b)(2)h.</p>

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 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 ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulation for NAAQS pollutant emissions less than 10 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 revision 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 limits and control measures no longer apply.
- b. The permittee shall employ best available control measures on all material processing and handling emission points associated with the aggregate processing plant for the purpose of ensuring compliance with all applicable requirements. In accordance with the PTIO application, the permittee has committed to applying water, or any other suitable dust suppressant, at appropriate locations on the aggregate processing line. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- c. The above-mentioned control measures shall be employed for the appropriate material processing and handling emission points of the aggregate processing plant 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 and handling operations until further observation confirms that use of the control measures is necessary.
- d. 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.
- e. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the SIP.



The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3)(a) do not apply to the emissions of PM10 because the potential to emit is less than 10 tons per year.

- f. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- g. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- h. Visible PE from the crusher and material handling operations shall not exceed the following opacity restrictions:

Emissions Point	Equipment Type	Opacity Limit	Regulatory Basis
Front End Loader	Unloading	20% as a three-minute average	OAC rule 3745-31-05(A)(3), as effective 11/30/01
Grizzly Feeder	Transfer point	10% as a six-minute average	40 CFR Part 60 Subpart 000
PP3 Run-Out Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
PCR1 Crusher	Crusher	15% as a six-minute average	40 CFR Part 60 Subpart 000
PP2 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
Vibrating Feeder with PB1 Surge Bin	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
PP1 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
PC4 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
PC3 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
PC2 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
PC1 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
PC5 Conveyor	Transfer Point	Not installed*	40 CFR Part 60 Subpart 000



Emissions Point	Equipment Type	Opacity Limit	Regulatory Basis
PC6 Conveyor	Transfer Point	Not installed*	40 CFR Part 60 Subpart OOO
PC7 Conveyor	Transfer Point	Not installed*	40 CFR Part 60 Subpart OOO
PC8 Conveyor	Transfer Point	Not installed*	40 CFR Part 60 Subpart OOO

*Each conveyor that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 must meet 10% opacity. Each conveyor that commenced construction, modification, or reconstruction after April 22, 2008 must meet 7% opacity.

c) Operational Restrictions

- (1) The maximum annual aggregate throughput shall not exceed 3,000,000 tons. 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.
- (2) Except as otherwise provided in this section, for each material handling and processing 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:

<u>Material Handling/Processing Operation</u> all operations	<u>Minimum Inspection Frequency</u> once during each day of operation
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The above-mentioned inspections shall be performed during representative, normal operating conditions.

- (3) 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 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 d)(3)d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Northwest District Office by the due date identified in the Authorization section of this permit. The

PER shall cover a reporting period of no more than 12 months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

- (2) The permittee shall also identify the following information in the annual PER in accordance with the monitoring requirements in term number d)(3) above:
- a. each day during which an inspection 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.

The above information shall be provided as an attachment to the PER. If there were no days and/or instances to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that all inspections were performed by the required frequency, and control measures were properly implemented.

- (3) The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR Part 60 Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
- (4) The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
- a. For a crusher:
 - i. the rated capacity in tons per hour of the existing facility being replaced; and
 - ii. the rated capacity in tons per hour of the replacement equipment.
 - b. For a screening operation:
 - i. the total surface area of the top screen of the existing screening operation being replaced; and
 - ii. the total surface area of the top screen of the replacement screening operation.
 - c. For a conveyor belt:
 - i. the width of the existing belt being replaced; and
 - ii. the width of the replacement conveyor belt.
 - d. For a storage bin:
 - i. the rated capacity in megagrams or tons of the existing storage bin being replaced; and

- ii. the rated capacity in megagrams or tons of replacement storage bins.
- (5) The notification shall be submitted to the Northwest District Office within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
- a. actual start-up date (within 15 days after such date); and
 - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

f) Testing Requirements

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

- a. Emission Limitation
4.46 tons of fugitive particulate matter less than 10 microns in size (PM10)/year

Applicable Compliance Method

The annual limitation was established by summing the following fugitive PM10 rates:

Front End Loader: The PM10 limitation was established by multiplying the maximum load-in rate of 3,000,000 tons/year by an emission factor of 0.002lb of PM10/ton of material (AP-42 Section 13.2.4.3 [01/95]), and dividing by 2000 lbs.

Crushing: The PM10 limitation was established by multiplying the maximum load-out rate of 3,000,000 tons/year by 0.00054 lb of PM10/ton of material (AP-42 Section 13.2.4.3 [01/95]), and dividing by 2000 lbs.

Screening: The PM10 limitation was established by multiplying the maximum load-out rate of 3,000,000 tons/year by 0.00074 lb of PM10/ton of material (AP-42 Section 13.2.4.3 [01/95]), and dividing by 2000 lbs.

Transfer Points: The PM10 limitation was established by multiplying the maximum load-out rate of 3,000,000 tons/year by 0.000046 lb of PM10/ton of material (AP-42 Section 13.2.4.3 [01/95]) and 15 transfer points, then dividing by 2000 lbs.

Therefore, provided compliance is shown with the annual restriction by means of the monitoring and record keeping requirement in d)(1) and the requirements to apply best available control measures to prevent fugitive emissions, compliance with the annual emission limitation shall also be demonstrated.

- b. Emission Limitation
20% opacity as a three-minute average from front end loader

Applicable Compliance Method

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

- c. Emission Limitation
15% opacity as a six-minute average from crushing operations;
10% opacity as a six-minute average from transfer points;
7% opacity as a six-minute average from transfer points

Applicable Compliance Method

If required, compliance shall be demonstrated using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources") and the procedures outlined in 60.675(c)(1).

- (2) The permittee shall conduct, or have conducted, emission testing for all transfer points, screens, and crushers associated with emissions unit F018. [Note: any transfer points, screens, and crushers for which emission testing was previously conducted during the opacity tests performed in accordance with the requirements of 40 CFR Part 60 Subpart OOO in the months of June and August, 1997 and October, 1999 are exempt from this requirement.] Testing shall be conducted in accordance with the following requirements:
- a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates.
- c. The following test method shall be employed to demonstrate compliance with the allowable visible emission rates:

Method 9 of 40 CFR Part 60, Appendix A
- d. The test(s) shall be conducted at a Maximum Source Operation Rate (MSOR), unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. MSOR is defined as the condition that is most likely to challenge the emission control measures with regards to meeting the applicable emission standard(s). Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test at the MSOR is justification for not accepting the test results as a demonstration for compliance.
- e. Not later than 30 days prior to the proposed test dates(s), the permittee shall submit an "Intent to Test" notification to the Northwest District Office. The "Intent

to Test” notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and dates(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 Northwest District Office’s refusal to accept the results of the emissions test(s).

- f. 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.
- g. A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Northwest District Office 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 Northwest District Office.

g) Miscellaneous Requirements

- (1) None



2. F019, Secondary Aggregate Processing

Operations, Property and/or Equipment Description:

750 TPH Secondary Aggregate Processing Line

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. Rows include OAC rules 3745-31-05(A)(3), 3745-17-07(B), 3745-17-08(B), and 40 CFR Part 60 Subpart OOO.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>operations that commenced construction, modification, or reconstruction after April 22, 2008.</p> <p>15% opacity for any crusher at which a capture system is not used</p> <p>7% opacity from any crusher at which a capture system is used</p> <p>0.05 g/dscm for any crusher controlled by a baghouse</p> <p>See b)(2)h.</p>

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 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 ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulation for NAAQS pollutant emissions less than 10 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 revision 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 limits and control measures no longer apply.
- b. The permittee shall employ best available control measures on all material processing and handling emission points associated with the aggregate processing plant for the purpose of ensuring compliance with all applicable requirements. In accordance with the PTIO application, the permittee has committed to using wet suppression or a baghouse at appropriate locations on the aggregate processing line. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- c. The above-mentioned control measures shall be employed for the appropriate material processing and handling emission points on the aggregate processing line if the permittee determines as a result of the inspected 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 and handling operations until further observation confirms that the use of the control measures is necessary.



- d. 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.
- e. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the SIP.

The BAT requirements under OAC rule 3745-31-05(A)(3)(a) do not apply to emissions of PM10 because the potential to emit is less than 10 tons per year.
- f. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- g. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- h. Visible PE from the crusher and material handling operations shall not exceed the following opacity restrictions:

Emissions Point	Equipment Type	Opacity Limit	Regulatory Basis
F1 Vibrating Feeder	Transfer Point	20% as a three-minute average	OAC rule 3745-31-05(A)(3), as effective 11/30/01
F2 Vibrating Feeder	Transfer point	10% as a six-minute average	40 CFR Part 60 Subpart 000
C1 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
C2 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
S1 Screen	Screen	10% as a six-minute average	40 CFR Part 60 Subpart 000
C3 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
B1 Surge Bin	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
F4 Vibrating Feeder	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart 000
CR1 Crusher	Crusher	Wet Suppression - 15% as a six-minute average; or	40 CFR Part 60 Subpart 000



Emissions Point	Equipment Type	Opacity Limit	Regulatory Basis
		Baghouse – 7% as a six-minute average	
C2 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
F5 Vibrating Feeder	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
CR2 Crusher	Crusher	Wet Suppression – 15% as a six-minute average; or Baghouse - 7% as a six-minute average	40 CFR Part 60 Subpart OOO
Baghouse Discharge	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
C4 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
CR3 Crusher	Crusher	15% as a six-minute average	40 CFR Part 60 Subpart OOO
C5 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
C6 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
C7 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
C8 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
C9 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
C10 Conveyor	Transfer Point	10% as a six-minute average	40 CFR Part 60 Subpart OOO
C11 Conveyor	Transfer Point	Not installed*	40 CFR Part 60 Subpart OOO



Emissions Point	Equipment Type	Opacity Limit	Regulatory Basis
C12 Conveyor	Transfer Point	Not installed*	40 CFR Part 60 Subpart 000

*Each conveyor that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 must meet 10% opacity. Each conveyor that commenced construction, modification, or reconstruction after April 22, 2008 must meet 7% opacity.

c) Operational Restrictions

(1) The maximum annual aggregate throughput shall not exceed 3,000,000 tons.

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.

(2) 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 material handling/processing operations (i.e., crushing, screening or transfer points). 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 the visible emissions incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(2)d. above to 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 the baghouse control is employed.

(3) In order to maintain compliance with the applicable emission limitations contained in this permit, the acceptable range established for the pressure drop across the baghouse (when employed) is between 1.0 and 6.0 inches of water.

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

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

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

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

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

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

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the Northwest District Office. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that

demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Northwest District Office by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than 12 months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- (2) The permittee shall also identify the following information in the annual PER in accordance with the monitoring requirements in term number d)(2) 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 were no days 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 PER the following information concerning the operation 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 the acceptable range;
 - b. any period of time (start time and date, and end time and date) when the emissions unit was in operation and the process emissions were not vented to the baghouse;
 - c. each incident of deviation described in e)(3)a. above where a prompt investigation was not conducted;
 - d. each incident of deviation described in e)(3)a. above 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 e)(3)a. where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and recordkeeping requirements of this permit.

* The deviation reports will only be required for time periods during which the baghouse was employed for control of material processing/handling operations.

- (4) The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR Part 60 Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
- (5) The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
- a. For a crusher:
 - i. the rated capacity in tons per hour of the existing facility being replaced; and
 - ii. the rated capacity in tons per hour of the replacement equipment.
 - b. For a screening operation:
 - i. the total surface area of the top screen of the existing screening operation being replaced; and
 - ii. the total surface area of the top screen of the replacement screening operation.
 - c. For a conveyor belt:
 - i. the width of the existing belt being replaced; and
 - ii. the width of the replacement conveyor belt.
 - d. For a storage bin:
 - i. the rated capacity in megagrams or tons of the existing storage bin being replaced; and
 - ii. the rated capacity in megagrams or tons of replacement storage bins.
- (6) The notification shall be submitted to the Northwest District Office within 30 days after the equipment replacement pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
- a. actual start-up date (within 15 days after such date); and
 - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

f) Testing Requirements

(1) Compliance with the Emission Limitations and/or Control Requirements specified in section b) shall be determined in accordance with the following methods:

- a. Emission Limitation
5.13 tons of fugitive PM10/year

Applicable Compliance Method

The annual limitation was established by summing the following fugitive PM10 rates:

Crushing: The PM10 limitation was established by multiplying the maximum load-out rate of 3,000,000 tons/year by 0.00054 lb of PM10/ton of material (AP-42 Section 13.2.4.3 [01/95]), and dividing by 2000 lbs.

Screening: The PM10 limitation was established by multiplying the maximum load-out rate of 3,000,000 tons/year by 0.00074 lb of PM10/ton of material (AP-42 Section 13.2.4.3 [01/95]), and dividing by 2000 lbs.

Transfer Points: The PM10 limitation was established by multiplying the maximum load-out rate of 3,000,000 tons/year by 0.000046 lb of PM10/ton of material (AP-42 Section 13.2.4.3 [01/95]) and 15 transfer points, then dividing by 2000 lbs.

Therefore, provided compliance is shown with the annual restriction by means of the monitoring and record keeping requirement in d)(1) and the requirements to apply best available control measures to prevent fugitive emissions, compliance with the annual emission limitation shall also be demonstrated.

- b. Emission Limitation
15% opacity as a six-minute average from crushing operations (wet suppression)
7% opacity as a six-minute average from crushing operations (baghouse)
10% opacity as a six-minute average from transfer points
7% opacity as a six-minute average from transfer points

Applicable Compliance Method

If required, compliance shall be demonstrated using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources") and the procedures outlined in 40 CFR Part 60.675(c)(1).

- c. Emission Limitation
0.05 g/dscm for any crusher controlled by a baghouse

Applicable Compliance Method

If required, compliance shall be demonstrated using Test Methods 1-5 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources") and the procedures outlined in 40 CFR Part 60.675(b)(1).

- (2) The permittee shall conduct, or have conducted, emission testing for all transfer points, screens, and crushers associated with emissions unit F019. [Note: any transfer points, screens, and crushers for which emission testing was previously conducted during the opacity tests performed in accordance with the requirements of 40 CFR Part 60 Subpart OOO in the months of June and August, 1997 and October, 1999 are exempt from this requirement.] Testing shall be conducted in accordance with the following requirements:
- a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission limitations and the particulate matter concentration.
 - c. The following test method shall be employed to demonstrate compliance with the allowable visible emission rates:

For visible emission limitations - Method 9 of 40 CFR Part 60, Appendix A
For particulate mass concentration – Methods 1-5 of 40 CFR Part 60, Appendix A
 - d. The test(s) shall be conducted at a Maximum Source Operation Rate (MSOR), unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. MSOR is defined as the condition that is most likely to challenge the emission control measures with regards to meeting the applicable emission standard(s). Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test at the MSOR is justification for not accepting the test results as a demonstration for compliance.
 - e. Not later than 30 days prior to the proposed test dates(s), the permittee shall submit an "Intent to Test" notification to the Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and dates(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 Northwest District Office's refusal to accept the results of the emissions test(s).
 - f. 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.
 - g. A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Northwest District Office 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 Northwest District Office.

- g) Miscellaneous Requirements
 - (1) None