



Environmental Protection Agency

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

7/18/2011

Beth Mowrey
Tri-County Limestone Company
P.O. Box 266
Thornville, OH 43076

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0351000178
Permit Number: P0087301
Permit Type: Renewal
County: Marion

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
Tri-County Limestone Company**

Facility ID:	0351000178
Permit Number:	P0087301
Permit Type:	Renewal
Issued:	7/18/2011
Effective:	7/18/2011
Expiration:	7/18/2021



Division of Air Pollution Control
Permit-to-Install and Operate
for
Tri-County Limestone Company

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Authorization

Facility ID: 0351000178
Application Number(s): A0018245
Permit Number: P0087301
Permit Description: Renewal PTIO for 400 TPH aggregate processing plant (F002), roadways (F003), aggregate storage piles (F004), mineral extraction (F005), and a rip-rap plant (F006).
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 7/18/2011
Effective Date: 7/18/2011
Expiration Date: 7/18/2021
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Tri-County Limestone Company
4664 Hardin-Marion Road North
Marion, OH 43326

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

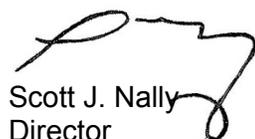
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

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: P0087301

Permit Description: Renewal PTIO for 400 TPH aggregate processing plant (F002), roadways (F003), aggregate storage piles (F004), mineral extraction (F005), and a rip-rap plant (F006).

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

Emissions Unit ID:	F002
Company Equipment ID:	Aggregate Processing Plant
Superseded Permit Number:	03-13966
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F003
Company Equipment ID:	Roadways and Parking Areas
Superseded Permit Number:	03-13966
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F004
Company Equipment ID:	Storage of Aggregate Products
Superseded Permit Number:	03-13430
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F005
Company Equipment ID:	Mineral Extraction
Superseded Permit Number:	03-13966
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F006
Company Equipment ID:	Rip Rap Plant
Superseded Permit Number:	
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. F002, Aggregate Processing Plant

Operations, Property and/or Equipment Description:

400 TPH aggregate processing plant including primary and secondary crushing and 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. 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)	Fugitive particulate emissions (PE) shall not exceed 5.78 tons per year (tpy). Opacity restrictions, see b)(2)g. Use of 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.	OAC rule 3745-17-07(B)	See b)(2)e.
c.	OAC rule 3745-17-08(B)	See b)(2)f.
d.	40 CFR, Part 60, Subpart OOO	See b)(2)g. and b)(2)h.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measures to ensure compliance:

<u>Material handling operation</u>	<u>Control measure(s)</u>
primary crushing and screening	water sprays, if necessary, and inherent moisture content (>1.5%) [see b)(2)b.]
secondary crushing and screening	inherent moisture content (>1.5%) [see b)(2)b.]
loading and unloading	reduced drop height and inherent moisture content (>1.5%) [see b)(2)b.]
transfer points	water sprays, if necessary, and inherent moisture content (>1.5%) [see b)(2)b.]

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

- b. For each material handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.
- c. Implementation of the above-mentioned control 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.
- d. The requirements of this rule also include compliance with 40 CFR Part 60, Subpart OOO.
- e. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- f. This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08 (it is located in Marion County). Therefore, pursuant to OAC rule

3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

- g. Visible particulate emissions from the aggregate processing equipment included under this permit shall not exceed the following opacity restrictions:

<u>Emission Point</u> <u>(Company ID)</u>	<u>Equipment</u> <u>Type</u>	<u>Opacity Limit</u> <u>as a 6-minute</u> <u>average,</u> <u>unless</u> <u>otherwise</u> <u>specified</u>	<u>Regulatory</u> <u>Basis for Limit</u>
Front End Loader to Feed Hopper	Transfer Point	20% opacity as a 3-minute average	OAC 3745-31-05(A)(3)
Feed Hopper to Grizzly Feeder	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
Primary Crusher Inlet and Outlet	Crusher Inlet and Outlet	15%	40 CFR, Part 60, Subpart OOO
304 Cross Conveyor to 304 Transfer Belt	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
304 Transfer Belt to 304 Stacker	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
Pan Feeder to Crusher Take-Out Belt - "C1"	Crusher Outlet	15%	40 CFR, Part 60, Subpart OOO
Crusher Take-Out Belt - "C1" to Field Conveyor - "C2"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
Field Conveyor - "C2" to Primary Screen	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
Primary Screen	Screen	10%	40 CFR, Part 60, Subpart OOO
Primary Screen to Cross Conveyor - "C4"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
Cross Conveyor - "C4"	Transfer Point	10%	40 CFR, Part 60,

to 1s/2s/4s Stacker			Subpart 000
Primary Screen to Cross Conveyor - "C5"	Transfer Point	10%	40 CFR, Part 60, Subpart 000
Cross Conveyor - "C5" to Transfer Conveyor - "C10"	Transfer Point	10%	40 CFR, Part 60, Subpart 000
Transfer Conveyor - "C10" to 57s Stacker - "C11"	Transfer Point	10%	40 CFR, Part 60, Subpart 000
Primary Screen to Crusher Feed Belt - "C3"	Transfer Point	10%	40 CFR, Part 60, Subpart 000
Crusher Feed Belt - "C3" to Secondary Crusher	Crusher Inlet	15%	40 CFR, Part 60, Subpart 000
Secondary Crusher	Crusher	15%	40 CFR, Part 60, Subpart 000
Secondary Crusher to Crusher Take-Out Belt - "C7"	Crusher Outlet	15%	40 CFR, Part 60, Subpart 000
Crusher Take-Out Belt - "C7" to Crusher Return Belt - "C8"	Transfer Point	10%	40 CFR, Part 60, Subpart 000
Crusher Return Belt - "C8" to Primary Screen	Transfer Point	10%	40 CFR, Part 60, Subpart 000
Primary Screen to Under Screen Conveyor - "C6"	Transfer Point	10%	40 CFR, Part 60, Subpart 000
Stacker Conveyor/Secondary Screen Feed Belt - "C12" to Secondary Screen	Transfer Point	10%	40 CFR, Part 60, Subpart 000
Secondary Screen	Screen	10%	40 CFR, Part 60, Subpart 000



Secondary Screen to 89S Transfer Belt - "C15"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
89S Transfer Belt - "C15" to 89s Stacker - "C19"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
Secondary Screen to Under Screen Conveyor - "C16"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
Under Screen Conveyor - "C16" to 10s Transfer Belt - "C20"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
10s Transfer Belt - "C20" to 10s Stacker - "C21"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
Secondary Screen to 9s Transfer Belt - "C14"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
9s Transfer Belt - "C14" to 9s Stacker	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
Secondary Screen to 8s Transfer Belt - "C13"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO
8s Transfer Belt - "C13" to 8s Stacker - "C17"	Transfer Point	10%	40 CFR, Part 60, Subpart OOO

h. 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.

c) Operational Restrictions

(1) The maximum annual material throughput for this emissions unit shall not exceed 1,000,000 tons based on the material throughput of the primary crusher.

d) Monitoring and/or Recordkeeping Requirements

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

Material Handling OperationsMinimum Inspection Frequency

all

once during each day of operation

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

- (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 the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in d)(3)d. shall be kept separately for each 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) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- (2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements in d)(1), (2) and (3) above:
 - a. the material throughput (i.e. the amount of stone loaded into the primary crusher), in tons, for the previous calendar year.

- b. each day during which an inspection was not performed by the required frequency; and
 - c. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
- (3) The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
- a. for a 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 after the equipment replacement.

f) **Testing Requirements**

- (1) The permittee shall conduct, or have conducted, emission testing for all transfer points, screens and crushers of emissions unit F002.
- (2) 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.
- (3) The emission testing shall be conducted at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.
- (4) The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:
 - a. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.

- (5) 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. Not later than 30 days prior to the proposed test date(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.
- (6) 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 that 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.
- (7) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Fugitive PE shall not exceed 5.78 tpy.

Applicable Compliance Method:

The emission limitation was developed by the following equation: Total Emissions = crushing* + screening** + transfer points***

*Crushing: For each crusher, multiply the AP-42 emission factor of 0.00059 lb PE/ton (Section 11.19.2 - 1/95) by the maximum annual throughput of 1,000,000 tons and divide by 2,000.

**Screening: For each screen, multiply the AP-42 emission factor of 0.00084 lb PE/ton (Section 11.19.2 - 1/95) by the maximum annual throughput of 1,000,000 tons and divide by 2,000.

***Transfer Points: For each transfer point, multiply the AP-42 emission factor of 0.000048 lb PE/ton (Section 11.19.2 - 9/95) by the maximum annual throughput of 1,000,000 tons and divide by 2,000.

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

b. Emission Limitation:

20% opacity, as a 3-minute average for front-end loader dumping into the feed hopper (for primary crusher)

Applicable Compliance Method:

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

c. Emission Limitation:

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

Applicable Compliance Method:

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 specified in f)(1) through f)(6) above.

d. 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:

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 specified in f)(1) through f)(6) above.

g) Miscellaneous Requirements

(1) None.

2. F003, Roadways and Parking Areas

Operations, Property and/or Equipment Description:

Paved and Unpaved Roadways

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Fugitive particulate emissions (PE) shall not exceed 18.04 tons per year (tpy).
PAVED ROADWAYS AND PARKING AREAS		
b.	OAC rule 3745-31-05(A)(3)	There shall be no visible PE except for a period of time not to exceed one minute during any sixty-minute observation period. Use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)c., b)(2)e., b)(2)g. through b)(2)i.]
c.	OAC rule 3745-17-07(B)	See b)(2)j.
d.	OAC rule 3745-17-08(B)	See b)(2)k.
UNPAVED ROADWAYS AND PARKING AREAS		
e.	OAC rule 3745-31-05(A)(3)	There shall be no visible PE except for a period of time not to exceed three minutes during any sixty-minute observation period.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)d. through b)(2)f., b)(2)h. and b)(2)i.]
f.	OAC rule 3745-17-07(B)	See b)(2)j.
g.	OAC rule 3745-17-08(B)	See b)(2)k.

(2) Additional Terms and Conditions

- a. The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Paved roadways:

all paved roadways

paved parking areas:

all paved parking area

- b. The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways:

all unpaved roadways

unpaved parking areas:

none

- c. The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by flushing with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- d. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water and/or any other suitable dust suppression

chemicals, grading/resurfacing, speed reduction and good housekeeping at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- e. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
 - f. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
 - g. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
 - h. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
 - i. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
 - j. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
 - k. This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08 (it is located in Marion County). Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- c) Operational Restrictions
- (1) None.

permittees shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

- (2) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in d)(4) above:
- 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.

The above information shall be provided as an attachment to the PER. If there were no day(s) and/or instance(s) 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 measure(s) were properly implemented.

f) Testing Requirements

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

a. Emission Limitation:

Fugitive PE shall not exceed 18.04 tpy from paved and unpaved roadways and parking areas

Applicable Compliance Method:

This emission limitation was developed by multiplying emission factors from AP-42, Chapter 13.2.1 (10/97) [paved] and Chapter 13.2.2 (10/01) [unpaved], the maximum vehicle miles traveled, a 95% control efficiency and dividing by 2,000 lbs/ton:

entrance road (paved): $(3.61 \text{ lb PE/VMT}) (44,847 \text{ VMT}) (\text{ton}/2,000 \text{ lbs}) (1-0.95) = 4.1 \text{ tpy}$

haul roads (unpaved): $(6.24 \text{ lb PE/VMT}) (87,906 \text{ VMT}) (\text{ton}/2,000 \text{ lbs}) (1-0.95) = 13.80 \text{ tpy}$

peripheral roadways (unpaved): $(6.24 \text{ lb PE/VMT}) (795 \text{ VMT}) (\text{ton}/2,000 \text{ lbs}) (1-0.95) = 0.14 \text{ tpy}$

Provided compliance is shown with the requirement to apply best available control measures, compliance with the annual emission limitations shall also be demonstrated.

b. Emission Limitation:

There shall be no visible PE except for a period of time not to exceed one minute during any sixty-minute observation period from paved roadways and parking areas.

Applicable Compliance Method:

If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

c. Emission Limitation:

There shall be no visible PE except for a period not to exceed three minutes during any sixty-minute observation period from unpaved roadways and parking areas.

Applicable Compliance Method:

If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) None.



3. F004, Storage of Aggregate Products

Operations, Property and/or Equipment Description:

Storage piles

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Load-in and load-out of storage piles		
a.	OAC rule 3745-31-05(A)(3)	<p>Fugitive particulate emissions (PE) shall not exceed 0.60 tons per year (tpy).</p> <p>Fugitive emissions of particulate matter less than or equivalent to ten microns in diameter (PM10) shall not exceed 0.28 tpy.</p> <p>There shall be no visible PE except for a period of time not to exceed one minute during any sixty-minute observation period.</p> <p>Use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b., b)(2)c. and b)(2)f.]</p>



b.	OAC rule 3745-17-07(B)	See b)(2)g.
c.	OAC rule 3745-17-08(B)	See b)(2)h.
Wind erosion from storage piles		
d.	OAC rule 3745-31-05	Fugitive PM10 emissions shall not exceed 0.73 tpy. There shall be no visible PE except for a period of time not to exceed one minute in during any sixty-minute observation period. Use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See sections b)(2)d. through b)(2)f.]
e.	OAC rule 3745-17-07(B)	See b)(2)g.
f.	OAC rule 3745-17-08(B)	See b)(2)h.

(2) Additional Terms and Conditions

- a. The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

All storage piles
- b. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reducing drop height of front end loader buckets, use of a variable height stacker in lieu of a front end loader, maintaining aglime in an enclosed building and by maintaining a moisture level of at least 1.5% to ensure compliance for load-in activities and reducing drop height of front end loader buckets and by maintaining a moisture level of at least 1.5% to ensure compliance for load-out activities. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- c. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- d. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the

permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible and by maintaining a moisture level of at least 1.5% to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- e. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- g. 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).
- h. 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 emission unit is exempt from the requirements of OAC rule 3745-17-08(B).

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

Storage pile identification:

Minimum load-in inspection frequency:

all

daily

- (2) Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

Storage pile identification:

Minimum load-out inspection frequency:

all

daily

- (3) Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

Storage pile identification:

all

Minimum wind erosion inspection frequency:

daily

- (4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- (5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
- (6) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- (7) The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in section d)(7)d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

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

- (2) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in d)(7) above:
- 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
 - 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 day(s) and/or instance(s) 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 measure(s) were properly implemented.

f) Testing Requirements

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

a. Emission Limitations:

Fugitive PE shall not exceed 0.60 tpy, from the load-in and load-out activities

Fugitive PM10 emissions shall not exceed 0.28 tpy, from the load-in and load-out activities

Fugitive PM10 emissions shall not exceed 0.73, from wind erosion

Applicable Compliance Method:

Compliance with fugitive PE and PM10 emission limitations shall be determined by using the emission factor equations in Sections 13.2.4 and 13.2.5, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 11/06), for load-in operations, load-out operations, and wind erosion.

b. Emission Limitation:

There shall be no visible PE except for a period of time not to exceed one minute in any 60-minute observation period, from the load-in and load-out activities.

Applicable Compliance Method:

If required, compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

c. Emission Limitation:

There shall be no visible PE except for a period of time not to exceed one minute in any 60 minute observation period, from wind erosion

Applicable Compliance Method:

If required, compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) None



4. F005, Mineral Extraction

Operations, Property and/or Equipment Description:

Mineral Extraction including overburden removal, blasting, drilling, truck loading and disposal of wastes (overburden loading into trucks)

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)	Fugitive particulate emissions (PE) shall not exceed 1.05 tons per year (tpy). Opacity restrictions, see b)(2)b. Use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)c. and b)(2)d.]
b.	OAC rule 3745-17-07(B)	See b)(2)e.
c.	OAC rule 3745-17-08(B)	See b)(2)f.

(2) Additional Terms and Conditions

a. The mineral extraction operations that are covered by this permit and subject to the above mentioned requirements are listed below:

Overburden removal, blasting, drilling, loading operations and reclamation activities

- b. Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from the following mineral extraction operations: overburden removal, drilling, soil unloading operations and reclamation activities.
- c. The permittee shall employ best available control measures for the above-identified mineral extraction operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measures to ensure compliance:

Mineral extraction operation	Control measure(s)
overburden removal	minimize area of disturbed land surface, maintenance of an inherent moisture content, maintain low drop height with backhoe and use of a water truck over area to be stripped
blasting	minimize area to be blasted, prevention of overshooting and maintenance of an inherent moisture content
drilling	either water control system or vent to a cyclone and/or baghouse
soil unloading operations	prevent haul vehicle overloading, watering of the muck pile as necessary and maintenance of an inherent moisture content in limestone
reclamation activities	reclaim land surfaces as expeditiously as possible

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

- d. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3).
- e. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- f. The Tri-County Limestone Company 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).

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, for mineral extraction operations that are not adequately enclosed, the permittee shall perform visible emission inspections of such operations during representative, normal operating conditions in accordance with the following minimum frequencies:

Mineral extraction operation:

Minimum inspection frequency:

all

daily

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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

- (2) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in d)(2) above:

- 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.

The above information shall be provided as an attachment to the PER. If there were no day(s) and/or instance(s) 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 measure(s) were properly implemented.

f) Testing Requirements

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

a. Emission Limitation:

Fugitive emissions of PE shall not exceed 1.05 tpy.

Applicable Compliance Method:

The annual PE emission limitation was developed by applying emission factors from AP-42, Sections 11.9 [soil unloading operations, blasting, drilling and reclamation activities (7/98)] and 13.2.3 [overburden removal (1/95)], and applying a 90% control efficiency.

Compliance shall be determined by using the appropriate emission factors in the Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition.

b. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from the following mineral extraction operations: overburden removal, drilling, soil unloading operations and reclamation activities.

Applicable Compliance Method:

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

g) Miscellaneous Requirements

(1) None.



5. F006, Rip Rap Plant

Operations, Property and/or Equipment Description:

Rip Rap Plant

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

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

(2) Additional Terms and Conditions

a. The visible emission unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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

c) Operational Restrictions

(1) None.

- d) Monitoring and/or Recordkeeping Requirements
 - (1) None.
- e) Reporting Requirements
 - (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- f) Testing Requirements
 - (1) None.
- g) Miscellaneous Requirements
 - (1) None.