



Environmental
Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

9/14/2010

DAN CRAGO
MELVIN STONE CO LLC
11641 Mosteller Rd.
Cincinnati, OH 45241

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

Facility ID: 0514000147
Permit Number: P0106515
Permit Type: Renewal
County: Clinton

Certified Mail

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

Dear Permit Holder:

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

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Kevin Boyce," 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, Southwest District Office at (937)285-6357 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: Ohio EPA-SWDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
MELVIN STONE CO LLC**

Facility ID: 0514000147
Permit Number: P0106515
Permit Type: Renewal
Issued: 9/14/2010
Effective: 9/14/2010
Expiration: 9/14/2020



Division of Air Pollution Control
Permit-to-Install and Operate
for
MELVIN STONE CO LLC

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Authorization

Facility ID: 0514000147

Application Number(s): A0039660

Permit Number: P0106515

Permit Description: Aggregate processing PTIO renewal for; large facility including a number of crushers, screening, conveying, boilers, storage piles, and material handling.

Permit Type: Renewal

Permit Fee: \$0.00

Issue Date: 9/14/2010

Effective Date: 9/14/2010

Expiration Date: 9/14/2020

Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

MELVIN STONE CO LLC
228 MELVIN RD.
SABINA, OH 45169

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, Southwest District Office
401 East Fifth Street
Dayton, OH 45402
(937)285-6357

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director



Authorization (continued)

Permit Number: P0106515
Permit Description: Aggregate processing PTIO renewal for; large facility including a number of crushers, screening, conveying, boilers, storage piles, and material handling.

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

- Emissions Unit ID: B001**
Company Equipment ID: Generator
Superseded Permit Number: 05-12282
General Permit Category and Type: Not Applicable
- Emissions Unit ID: B003**
Company Equipment ID: Generator
Superseded Permit Number: 05-12284
General Permit Category and Type: Not Applicable
- Emissions Unit ID: B004**
Company Equipment ID: Generator
Superseded Permit Number: 05-12286
General Permit Category and Type: Not Applicable
- Emissions Unit ID: B005**
Company Equipment ID: Generator
Superseded Permit Number: 05-12283
General Permit Category and Type: Not Applicable
- Emissions Unit ID: B006**
Company Equipment ID: Diesel Engine
Superseded Permit Number: 05-12285
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F002**
Company Equipment ID: PLANT ROADWAYS AND PARKING AREAS
Superseded Permit Number: 05-10423
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F003**
Company Equipment ID: AGGREGATE STORAGE PILES
Superseded Permit Number: 05-10423
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F005**
Company Equipment ID: Primary Impact Crusher
Superseded Permit Number: 05-10423
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F006**
Company Equipment ID: Primary Screen
Superseded Permit Number: 05-10423
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F007**
Company Equipment ID: Material Handling
Superseded Permit Number: 05-10423
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F008**

Company Equipment ID: Crusher
Superseded Permit Number: 05-10423
General Permit Category and Type: Not Applicable

Emissions Unit ID: F011
Company Equipment ID: Washing Screens
Superseded Permit Number: 05-10423
General Permit Category and Type: Not Applicable

Emissions Unit ID: F012
Company Equipment ID: Material Handling-
Superseded Permit Number: 05-10423
General Permit Category and Type: Not Applicable

Emissions Unit ID: F013
Company Equipment ID: Secondary Crusher
Superseded Permit Number: 05-11517
General Permit Category and Type: Not Applicable

Emissions Unit ID: F014
Company Equipment ID: Grizzle Screen
Superseded Permit Number: 05-11517
General Permit Category and Type: Not Applicable

Emissions Unit ID: F015
Company Equipment ID: Material Handling
Superseded Permit Number: 05-12282
General Permit Category and Type: Not Applicable

Emissions Unit ID: F016
Company Equipment ID: Storage Piles
Superseded Permit Number: 05-11517
General Permit Category and Type: Not Applicable

Emissions Unit ID: F017
Company Equipment ID: Secondary Screen
Superseded Permit Number: 05-11583
General Permit Category and Type: Not Applicable

Emissions Unit ID: F018
Company Equipment ID: Material Handling
Superseded Permit Number: 05-12283
General Permit Category and Type: Not Applicable

Emissions Unit ID: F019
Company Equipment ID: Storage Piles
Superseded Permit Number: 05-11583
General Permit Category and Type: Not Applicable

Emissions Unit ID: F020
Company Equipment ID: Primary Crushing
Superseded Permit Number: 05-11584
General Permit Category and Type: Not Applicable

Emissions Unit ID: F021
Company Equipment ID: Grizzly Feeder
Superseded Permit Number: 05-11584
General Permit Category and Type: Not Applicable

Emissions Unit ID: F023
Company Equipment ID: Storage Pile
Superseded Permit Number: 05-11584
General Permit Category and Type: Not Applicable

Emissions Unit ID:	F024
Company Equipment ID:	Vibrating Screens
Superseded Permit Number:	05-12284
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F025
Company Equipment ID:	Material Handling-
Superseded Permit Number:	05-12284
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F026
Company Equipment ID:	Storage Piles
Superseded Permit Number:	05-12284
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F027
Company Equipment ID:	Portable Canica Crusher
Superseded Permit Number:	05-12285
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F028
Company Equipment ID:	Storage Pile
Superseded Permit Number:	05-12285
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F029
Company Equipment ID:	Material Handling
Superseded Permit Number:	05-12285
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, Southwest 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.

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

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

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. B001, Generator

Operations, Property and/or Equipment Description:

300 Horse Power Diesel fired Electric Generating Engine (Serial Number 64231483)

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI: 05-12282)	Particulate emissions shall not exceed 0.66 lb per hour and 1.49 tons per year The emissions from the use of diesel fuel shall not exceed the following: 0.62 lb sulfur oxides (SOx)/hr; 1.38 tons SOx/yr; 9.3 lbs nitrogen oxides (NOx)/hr; 20.93 tons NOx/yr; 0.75 lb volatile organic compounds (VOCs)/hr; 1.70 tons VOC/yr; and 2.0 lbs carbon monoxide (CO)/hr; 4.51 tons CO/yr. Visible particulate emissions shall not to exceed twenty percent (20%) opacity, as a three minute average, except during the startup and Shut-down of equipment.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-17-10-(B)(1)	PE shall not exceed 0.020 lb/ mmBTU of actual heat input.
c.	OAC rule 3745-18-06(B)	Exempt

(2) Additional Terms and Conditions

- a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of #2 fuel oil (diesel), the hours of operation limitation and compliance with specified emission limits
- b. The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits

c) Operational Restrictions

- (1) The permittee shall use only number two fuel oil (diesel) in this emissions unit.
- (2) The maximum annual operating hours for this emissions unit shall not exceed 4,500 based upon an annual summation of the operating hours.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (2) The permittee shall maintain monthly records of the following information:
 - a. The operating hours for each month; and
 - b. The annual summation of the operating hours.

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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

f) Testing Requirements

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

a. Emission Limitation:

20% opacity

Applicable Compliance Method:

Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).

b. Emission Limitation:

0.66 lb PE/hr and 1.49 tons PE/yr;

0.62 lb SO_x/hr and 1.38 tons SO_x/yr;

9.3 lbs NO_x/hr and 20.93 tons NO_x/yr;

0.75 lb VOCs/hr and 1.70 tons VOC/yr; and

2.0 lbs CO /hr and 4.51 tons CO/yr.

The above limitations are based on: hourly compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (300); and annual compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (300). The sum of the hourly emissions rate should then be multiplied by the annual hours of operation (4,500). Emission factors from US EPA reference document AP-42, Table 3.3-1, October, 1996 Edition.

Applicable Compliance Method:

Compliance is based on the records keeping in section d)(1), fuels usage, and d)(2), hours of operation.

g) Miscellaneous Requirements

(1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):

a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;

- b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
- c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
- d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
- e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



2. B003, Generator

Operations, Property and/or Equipment Description:

100 Horsepower Diesel fired Electric Generating Engine (Serial Number 00580534)

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI: 05-12284)	particulate emissions shall not exceed 0.22 lb per hour and 0.96 tons per year The emissions from the use of diesel fuel shall not exceed the following: 0.21 lb sulfur oxides (SOx)/hr and 0.90 tons SOx/yr; 3.10 lbs nitrogen oxides (NOx)/hr and 13.58 tons NOx/yr; 0.25 lb volatile organic compounds (VOCs)/hr and 1.08 tons VOC/yr; and 0.67 lbs carbon monoxide (CO)/hr and 2.93 tons CO/yr. Visible particulate emissions shall not exceed twenty percent (20%) opacity, as a three minute average, except during the startup and Shut-down of equipment.
b.	OAC rule 3745-17-10-(B)(1)	PE shall not exceed 0.020



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		lb/ mmBTU of actual heat input.
c.	OAC rule 3745-18-06(B)	Exempt

(2) Additional Terms and Conditions

- a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of #2 fuel oil (diesel), the hours of operation limitation and compliance with specified emission limits
- b. The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits

c) Operational Restrictions

- (1) The permittee shall use only number two fuel oil (diesel) in this emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

f) Testing Requirements

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

- a. Emission Limitation:

20% opacity

Applicable Compliance Method:

Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).

b. Emission Limitation:

0.21 lb sulfur oxides (SO_x)/hr and 0.90 tons SO_x/yr;

3.10 lbs nitrogen oxides (NO_x)/hr and 13.58 tons NO_x/yr;

0.25 lb volatile organic compounds

(VOCs)/hr and 1.08 tons VOC/yr; and

0.67 lbs carbon monoxide (CO)/hr and 2.93 tons CO/yr.

The above limitations are based on: hourly compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (100); and annual compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (100). The sum of the hourly emissions rate should then be multiplied by the annual hours of operation (8760). Emission factors from US EPA reference document AP-42, Table 3.3-1, October, 1996 Edition.

Hourly compliance shall be determined by multiplying the air contaminates

Applicable Compliance Method:

Compliance is based on the records keeping in section d)(1), fuels usage.

g) Miscellaneous Requirements

(1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):

- a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
- b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
- c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or

local air agency that has issued the effective current permit) prior to the scheduled relocation;

- d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
- e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



3. B004, Generator

Operations, Property and/or Equipment Description:

544 Horsepower Diesel fired Electric Generating Engine (Serial Number 2WB11324)

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI: 05-12286)	Particulate emissions shall not exceed 1.20 lb per hour and 1.71 tons per year. The emissions from the use of diesel fuel shall not exceed the following: 1.12 lb sulfur oxides (SOx)/hr and 1.59 tons SOx/yr; 16.86 lbs nitrogen oxides (NOx)/hr and 24.03 tons NOx/yr; 1.34 lb volatile organic compounds (VOCs)/hr; and 1.91 tons VOC/yr; and 2.01 lbs carbon monoxide (CO)/hr and 2.06 tons CO/yr. Visible particulate emissions shall not exceed twenty percent (20%) opacity, as a three minute average, except during the startup and Shut-down of equipment.
b.	OAC rule 3745-17-10-(B)(1)	PE shall not exceed 0.020 lb/MmBTU of



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		actual heat input.
c.	OAC rule 3745-18-06(B)	Exempt

(2) Additional Terms and Conditions

- a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of #2 fuel oil (diesel), the hours of operation limitation and compliance with specified emission limits
- b. The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits

c) Operational Restrictions

- (1) The permittee shall use only number two fuel oil (diesel) in this emissions unit.
- (2) The maximum annual operating hours for this emissions unit shall not exceed 2,850 based upon an annual summation of the operating hours.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (2) The permittee shall maintain monthly records of the following information:
 - a. The operating hours for each month.
 - b. The annual summation of the operating hours.

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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

f) Testing Requirements

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

a. Emission Limitation:

20% opacity

Applicable Compliance Method:

Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).

b. Emission Limitation:

1.20 lb PE/hr and 1.71 tons PE/yr;

1.12 lb SO_x/hr and 1.59 tons SO_x/yr;

16.86 lbs NO_x/hr and 24.03 tons NO_x/yr ;

1.34 lb VOCs/hr and 1.91 tons VOC/yr; and

2.01 lbs CO/hr and 2.86 tons CO/yr.

The above limitations are based on: hourly compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (544); and annual compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (544). The sum of the hourly emissions rate should then be multiplied by the annual hours of operation (2850). Emission factors from US EPA reference document AP-42, Table 3.3-1, October, 1996 Edition.

Applicable Compliance Method:

Compliance is based on the records keeping in section d)(1), fuels usage, and d)(2), hours of operation.

g) Miscellaneous Requirements

(1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):

a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;

- b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
- c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
- d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
- e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



4. B005, Generator

Operations, Property and/or Equipment Description:

96 Horsepower Diesel Engine Electric Generator (Serial Number BF4M1012)

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI: 05-12283)	Particulate emissions 0.21 lb per hour and 0.93 tons per year. The emissions from the use of diesel fuel shall not exceed the following: 0.20 lb sulfur oxides (SOx)/hr and 0.86 tons SOx/yr; 2.98 lbs nitrogen oxides (NOx)/hr, and 13.03 tons NOx/yr; 0.24lb volatile organic compounds (VOCs)/hr and 1.04 tons VOC/yr; and 0.64 lbs carbon monoxide (CO)/hr , and 2.81 tons CO/yr; Visible particulate emissions shall not exceed twenty percent (20%) opacity, as a three minute average, except during the startup and Shut-down of equipment.
b.	OAC rule 3745-17-10-(B)(1)	PE shall not exceed 0.020



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		lb/ mmBTU of actual heat input.
c.	OAC rule 3745-18-06(B)	Exempt

(2) Additional Terms and Conditions

- a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of #2 fuel oil (diesel), the hours of operation limitation and compliance with specified emission limits
- b. The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits

c) Operational Restrictions

- (1) The permittee shall use only number two fuel oil (diesel) in this emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

f) Testing Requirements

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

a. Emission Limitation:

20% opacity

Applicable Compliance Method:

Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).

b. Emission Limitation:

0.21 lb PE/hr and 0.93 tons PE/yr;

0.20 lb SOx/hr and 0.86 tons SOx/yr;

2.98 lbs NO_x/hr and 13.03 tons NO_x/yr;

0.24 lb VOCs/hr and 1.04 tons VOC/yr; and

0.64 lbs CO/hr and 2.81 tons CO/yr.

The above limitations are based on: hourly compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (96); and annual compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (96). The sum of the hourly emissions rate should then be multiplied by the annual hours of operation (8760). Emission factors from US EPA reference document AP-42, Table 3.3-1, October, 1996 Edition.

Applicable Compliance Method:

Compliance is based on the records keeping in section d)(1), fuels usage

g) **Miscellaneous Requirements**

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



5. B006, Diesel Engine

Operations, Property and/or Equipment Description:

450 HP Diesel Engine (Serial Number BEM00315)

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI:05-12285)	<p>particulate emissions 1.00 lb per hour and 1.73 tons per year;</p> <p>The emissions from the use of diesel fuel shall not exceed the following:</p> <p>1.00 lb sulfur oxides (SOx)/hr and 1.61 tons SOx/yr; 13.95bs nitrogen oxides (NOx)/hr and 24.91 tons NOx/yr; 1.11 lb volatile organic compounds (VOCs)/hr and 1.95 tons VOC/yr; and 3.01 lbs carbon monoxide (CO)/hr and 5.26 tons CO/yr.</p> <p>Visible particulate emissions shall not exceed twenty percent (20%) opacity, as a three minute average, except during the startup and Shut-down of equipment.</p>
b.	OAC rule 3745-17-10-(B)(1)	PE shall not exceed 0.020 lb/mmBTU of



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		actual heat input.
c.	OAC rule 3745-18-06(B)	Exempt

(2) Additional Terms and Conditions

- a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of #2 fuel oil (diesel), the hours of operation limitation and compliance with specified emission limits
- b. The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits

c) Operational Restrictions

- (1) The permittee shall use only number two fuel oil (diesel) in this emissions unit.
- (2) The maximum annual operating hours for this emissions unit shall not exceed 3,500 based upon an annual summation of the operating hours.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (2) The permittee shall maintain monthly records of the following information:
 - a. The operating hours for each month.
 - b. The annual summation of the operating hours.

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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

f) Testing Requirements

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

a. Emission Limitation:

20% opacity

Applicable Compliance Method:

Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).

b. Emission Limitation:

1.00 lb PE/hr and 1.73 tons PE/yr;

1.0 lb SO_x/hr and 1.61 tons SO_x/yr;

13.95 lbs NO_x/hr and 24.41 tons NO_x/yr ;

1.11 lb VOCs/hr and 1.95 tons VOC/yr; and

3.01 lbs CO/hr and 5.26 tons CO/yr.

The above limitations are based on: hourly compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (450); and annual compliance shall be determined by multiplying the air contaminates respective emissions factor by the unit's horsepower (450). The sum of the hourly emissions rate should then be multiplied by the annual hours of operation (3500). Emission factors from US EPA reference document AP-42, Table 3.3-1, October, 1996 Edition.

Applicable Compliance Method:

Compliance is based on the records keeping in section d)(1), fuels usage, and d)(2), hours of operation.

g) Miscellaneous Requirements

(1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):

a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;

- b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
- c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
- d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
- e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



6. F002, PLANT ROADWAYS AND PARKING AREAS

Operations, Property and/or Equipment Description:

Unpaved Roadways and Paved Roads/ Parking Areas Modified In 1997

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3) (PTI:05-10423)	Fugitive emissions from this emissions unit shall not exceed for one minute during any 60-minute period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See sections b)(2)a., through k., below.

(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:

0.34 mile asphalt service road

Paved parking areas:

0.02 mile asphalt parking area

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

Unpaved roadways:

0.4 mile service and 0.55 mile haul limestone roads

- 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 via broom sweeping and flushing them with water 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 the unpaved shoulders of all paved roadways 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 shoulders of all paved roadways with chemical stabilization, watering and/or surface improvements 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 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 chemical stabilization, watering and/or surface improvements at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- f. 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.
- g. 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.

- h. 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.
 - i. 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.
 - j. 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.
 - k. Particulate emissions from emissions unit F002 shall not exceed 30.1 TPY.
- 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 the roadways and parking areas in accordance with the following frequencies:

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

- (4) 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 the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(4)d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways, 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

- (1) Compliance with the emission limitation for the paved and unpaved roadways and parking areas 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 c)(4)a through c)(4)d of OAC rule 3745-17-03.

g) Miscellaneous Requirements

- (1) None.



7. F003, AGGREGATE STORAGE PILES

Operations, Property and/or Equipment Description:

Limestone Aggregate Storage Piles Modified In 1997

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3) (PTI:05-10423)	Fugitive emissions from this emissions unit shall not exceed 10.9 ton per year. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. Fugitive emissions from this emissions unit shall not exceed one minute during any 60 minutes period. See sections b)(2)b through b)(2)f., below.
b.	OAC rule 3745-17-08(B)	See section b)(2)g., below.
c.	OAC rule 3745-17-07(B)	See section b)(2)g., below.

- (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:
- Limestone Aggregate (pile #1);
 - Limestone Aggregate (pile #2);
 - Limestone Aggregate (pile #3);
 - Limestone Aggregate (pile #4);
 - Limestone Aggregate (pile #5);
 - Limestone Aggregate (pile #6);
 - Limestone Aggregate (pile #7);
 - Washed Limestone Aggregate (pile #1);
 - Washed Limestone Aggregate (pile #2);
 - Washed Limestone Aggregate (pile #3);
 - Washed Limestone Aggregate (pile #4);
 - Washed Limestone Aggregate (pile #5);
 - Washed Limestone Aggregate (pile #6);
 - Washed Limestone Sand (pile #1); and
 - Washed Limestone Sand (pile #2)
- 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 treat the load-in and load-out materials with water and/or any other suitable dust suppression chemicals to ensure compliance. 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 treat each storage pile with water and/or any other suitable dust suppression chemicals via the spray tower 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 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 are appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- g. This emissions unit is a portable source and is applicable to the requirements of OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart 000.

This emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
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All	daily
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- (3) Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
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All	daily
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- (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 d)(7)d. shall be kept separately for d)(1) the load-in operations d)(2) the load-out operations, and d)(3) 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

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

a. Emission Limitation

Particulate emissions shall not exceed 8.0 tons per year

Applicable Compliance Method-

Compliance shall be determined by summing the results of the following equation:

- i. Aggregate load-in and load-out (750,000 tons/yr); AP-42, Fifth Edition, Chapter 13.2.4 (1/95)

$$E = k(0.0032) (U/5)1.3/(M/2)1.4 \text{ lbs/ton}$$

E = emission factor for sand unloading

k = particle size multiplier = 0.74 for PM <30 um

U = mean wind speed (mph) = 9.1

M = material moisture content = 1.5%

$$E = 0.74(0.0032) (9.1/5)1.3/(1.5/2)1.4 \text{ lbs/ton} = 0.0034 \text{ lbs PM/ton}$$

Particulate Emissions = 0.0034 lbs/ton * 750,000 tons/yr / (1 ton/2,000 lbs) = 2.9 tons per year.

Load-in 2.9 tons and Load-out 2.9 tons= 5.8 tons per year.

- ii. Storage piles-wind erosion (15 storage piles, with a surface area of 7 acres of all storage pile); AP-42, Fifth Edition, Chapter 13.2.4. (1/95)

$$E = 1.7 (s/1.5) * (365-p)/235 * (f/15) \text{ lb/day/acre}$$

s = silt content = 2.99 % average of processed and unprocessed

p = no. of days w/> 0.01 in rain = 225 days

f = % of time wind exceeds 12 mph = 30% default value

$E = 1.7 * (2.99/1.5) * (365-p)/235 * (30/15)$

$1.7 * 1.99 * 0.59 * 2 = 4.0 \text{ lb/day/acre}$

$4.0 \text{ lb/day/acre} * 7.0 \text{ total acres} * 365 \text{ days/year} / (1 \text{ ton}/2,000 \text{ lbs}) = 5.11 \text{ tons per year.}$

b. Emission limitation-

There shall be no visible particulate emissions from the storage piles and associated material handling activities, except for a period of time not to exceed one minute during any sixty-minute observation period.

Applicable Compliance Method

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.



8. F005, Primary Impact Crusher

Operations, Property and/or Equipment Description:

Primary Plant-1200 TPH Grizzly Primary Impact Crusher Modified In 1997

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-10423)	Fugitive emissions shall not exceed 0.84 pounds per hour and 0.9 tons per year
b.	NSPS 40 CFR Part 60, Subpart 000	15% opacity, as a 6-minute average See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
- a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
- (1) The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
 - (2) The inherent moisture content of the raw material processed shall not be any less than 2.88%.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The facility shall maintain monthly records that list the following;
 - a. Total amount of product produced, in tons, per calendar year; and
 - b. The cumulative amount produced, in tons, per calendar.,
 - (2) The permittee shall test the inherent moisture content of the raw material on an annual basis.
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]
 - (2) The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] of any Method 9 evaluation that did not demonstrate compliance with

the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or LAA) within 30 days after the exceedances occurs.

f) Testing Requirements

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

a. Emission Limitation

0.84 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 1200 tons/hour by the emission factor of 0.00070 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. Emission Limitation

0.9 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section d)(1) summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.00070 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. Emission Limitation

15% opacity, as a 6-minute average

Applicable Compliance Method

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

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

(2) During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.

g) Miscellaneous Requirements

- (1) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance



9. F006, Primary Screen

Operations, Property and/or Equipment Description:

Primary Plant-1200 TPH Primary Screen Modified in 1997

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-10423)	Fugitive emissions shall not exceed 2.1 pounds per hour and 2.2 tons per year.
b.	NSPS 40 CFR Part 60, Subpart OOO	10% opacity, as a 6-minute average See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
- a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
- (1) The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
 - (2) The inherent moisture content of the raw material processed shall not be any less than 2.88%.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The facility shall maintain monthly records that list the following;
 - a. Total amount of product produced, in tons, per calendar year; and
 - b. The cumulative amount produced, in tons, per calendar.,
 - (2) During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]
 - (2) The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] of any Method 9 evaluation that did not demonstrate compliance with

the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or LAA) within 30 days after the exceedances occurs.

f) Testing Requirements

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

a. Emission Limitation

2.1 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 1200 tons/hour by the emission factor of 0.00174 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. Emission Limitation

2.2 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section d)(1) summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.00174 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. Emission Limitation

10% opacity, as a 6-minute average

Applicable Compliance Method

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

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

g) Miscellaneous Requirements

- (1) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance



10. F007, Material Handling

Operations, Property and/or Equipment Description:

Primary Plant Material Handling-Five 1200 TPH Conveyors Modified In 1997

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI: 05-10423)	Fugitive emissions shall not exceed 0.6 pounds per hour and 0.60 ton per year.
b.	NSPS 40 CFR Part 60, Subpart 000	The visible emissions of fugitive dust shall not exceed 10% opacity, as a 6-minute average for sources subject to this rule. See section b)(2) c., and b)(2)d.
c.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2)b., below.
d.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.
e.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.

- (2) Additional Terms and Conditions
- a. The hourly and yearly emissions limitation of 0.6 pounds per hour and 0.60 tons per year respectively, were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through any conveyor shall have moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. If the inherent moisture in the aggregate material is not sufficient to comply with the opacity restrictions found in this permit, the permittee shall apply water, or any other suitable dust suppressant, at a rate sufficient to comply with the applicable opacity restriction.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 is also federally enforceable.
- c) Operational Restrictions
- (1) The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
 - (2) The inherent moisture content of the raw material processed shall not be any less than 2.88%.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The facility shall maintain monthly records that list the following;
 - a. Total amount of product produced, in tons, per calendar year; and
 - b. The cumulative amount produced, in tons, per calendar.
 - (2) The permittee shall test the inherent moisture content of the raw material on an annual basis.
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or LAA) within 30 days after the exceedances occurs.
- f) Testing Requirements
- (1) Compliance with the emissions limitations in Section b)(1) of these terms and conditions shall be determined in accordance with the following method(s):
- a. Emission Limitation-
- 0.6 lb/hr particulate emissions
- Applicable Compliance Method-
- Compliance shall be determined by multiplying the maximum hourly production rates of each conveyor by the emission factor of 1.008 E-4 lb/ton, as specified in AP-42, Table 11.19.2-2, and summing the emission rates for all five conveyors.
- b. Emission Limitation
- 0.6 ton/yr particulate emissions
- Applicable Compliance Method-
- Compliance shall be based upon the record keeping specified in section d)(1) summing the 12 monthly production records for the calendar year, multiplying by 5 (for the five conveyors), and then multiplying by the emission factor of 1.008 E-4 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.
- c. Emission Limitation-
- 10% opacity, as a 6-minute average
- Applicable Compliance Method-
- Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.
- d. Emission Limitation-
- 20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

g) Miscellaneous Requirements

- (1) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.



11. F008, Crusher

Operations, Property and/or Equipment Description:

Secondary Plant-1200 TPH Cedar Rapids Single Cage Secondary 60 Inch Cage Crusher Modified In 1997

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-10423)	Fugitive emissions shall not exceed 1.5 pounds per hour and 1.5 tons per year
b.	NSPS 40 CFR Part 60, Subpart OOO	15% opacity, as a 6-minute average. See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
- a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
- (1) The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
 - (2) The inherent moisture content of the raw material processed shall not be any less than 2.88%.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The facility shall maintain monthly records that list the following;
 - a. Total amount of product produced, in tons, per calendar year; and
 - b. The cumulative amount produced, in tons, per calendar.,
 - (2) During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]
 - (2) The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] of any Method 9 evaluation that did not demonstrate compliance with

the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or LAA) within 30 days after the exceedances occurs.

f) Testing Requirements

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

a. Emission Limitation

1.5 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 1200 tons/hour by the emission factor of 0.001239 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. Emission Limitation

1.5 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section d)(1) summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.001239 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. Emission Limitation

15% opacity, as a 6-minute average

Applicable Compliance Method

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

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

- g) Miscellaneous Requirements
 - (1) None.



12. F011, Washing Screens

Operations, Property and/or Equipment Description:

Secondary Plant- Six 750 TPH Hewitt Robins Washing Screens-Two 6X20 And Two 5x16 Installed In 1997-Two 5X12 Installed In 1972 And Modified In 1997

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-10423)	Fugitive emissions shall not exceed 3.4 pounds per hour and 3.8 tons per year.
b.	NSPS 40 CFR Part 60, Subpart 000	15% opacity, as a 6-minute average See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control ensures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
- a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
- (1) The maximum annual production rate for this facility shall not exceed 1750,000 tons.
 - (2) The inherent moisture content of the raw material processed shall not be any less than 2.88%.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The facility shall maintain monthly records that list the following;
 - a. Total amount of product produced, in tons, per calendar year; and
 - b. The cumulative amount produced, in tons, per calendar.,
 - (2) The permittee shall test the inherent moisture content of the raw material on an annual basis.
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]
 - (2) The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] of any Method 9 evaluation that did not demonstrate compliance with

the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or LAA) within 30 days after the exceedances occurs.

f) Testing Requirements

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

a. Emission Limitation

3.4 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 750 tons/hour by the emission factor of 0.00441 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. Emission Limitation

3.8 TPY PM.

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section d)(1) summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.00441lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. Emission Limitation

15% opacity, as a 6-minute average

Applicable Compliance Method

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

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

- g) Miscellaneous Requirements
 - (1) None.



13. F012, Material Handling-

Operations, Property and/or Equipment Description:

Secondary Plant Material Handling-Thirty Six 1200 TPH Conveyors-2 Installed In 1997-34 Installed In 1972 and Modified In 1997

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI: 05-10423)	Fugitive emissions shall not exceed 4.4 pounds per hour and 4.6 ton per year.
b.	NSPS 40 CFR Part 60, Subpart 000	The visible emissions of fugitive dust shall not exceed 10% opacity, as a 6-minute average for sources subject to this rule.
c.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2)b., below.
d.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.
e.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.

- (2) Additional Terms and Conditions
- a. The hourly and yearly emissions limitation of 4.4 pounds per hour and 4.6 tons per year respectively, were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through any conveyor shall have moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. If the inherent moisture in the aggregate material is not sufficient to comply with the opacity restrictions found in this permit, the permittee shall apply water, or any other suitable dust suppressant, at a rate sufficient to comply with the applicable opacity restriction.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 is also federally enforceable.
- c) Operational Restrictions
- (1) The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
 - (2) The inherent moisture content of the raw material processed shall not be any less than 2.88%.
- d) Monitoring and/or Record keeping Requirements
- (1) The facility shall maintain monthly records that list the following;
 - a. Total amount of product produced, in tons, per calendar year; and
 - b. The cumulative amount produced, in tons, per calendar.
 - (2) The permittee shall test the inherent moisture content of the raw material on an annual basis.
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. The results of the annual raw materials inherent moisture content shall also be included. These reports shall be submitted by January 31 of each year.
- f) Testing Requirements
- (1) Compliance with the emissions limitations in Section b)(1) of these terms and conditions shall be determined in accordance with the following method(s):
- a. Emission Limitation-
- 4.4 lb/hr particulate emissions
- Applicable Compliance Method-
- Compliance shall be determined by multiplying each emissions units egress point's maximum hourly production rate (tons/hour) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the total.
- b. Emission Limitation
- 4.6 ton/yr particulate emissions
- Applicable Compliance Method-
- Compliance shall be based upon the record keeping specified in section d)(1) summing the 12 monthly production records for the calendar year, multiplying by 5 (for the five conveyors), and then multiplying by the emission factor of 1.008 E-4 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.
- c. Emission Limitation-
- 10% opacity, as a 6-minute average
- Applicable Compliance Method-
- Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.
- d. Emission Limitation-
- 20% opacity, as a 3-minute average
- Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

- (2) During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.

g) **Miscellaneous Requirements**

- (1) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance



14. F013, Secondary Crusher

Operations, Property and/or Equipment Description:

500 tons/hr Portable Track Secondary Crusher

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-11517)	Fugitive emissions shall not exceed 0.6 pounds per hour and 2.63 tons per year.
b.	NSPS 40 CFR Part 60, Subpart 000	15% opacity, as a 6-minute average See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
 - a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
 - (1) None
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) **Testing Requirements**

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

a. **Emission Limitation**

0.6 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 500 tons/hour by the emission factor of 0.0012 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. **Emission Limitation**

2.63 TPY PM

Applicable Compliance Method

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.0010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.

c. **Emission Limitation**

15% opacity, as a 6-minute average

Applicable Compliance Method

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

d. **Emission Limitation-**

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart 000

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and

PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



15. F014, Grizzle Screen

Operations, Property and/or Equipment Description:

500 tons/hr Portable Grizzle Screen; B.L. Peg Son Manufacture

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-11517)	Fugitive emissions shall not exceed 0.9 pounds per hour and 3.94 tons per year.
b.	NSPS 40 CFR Part 60, Subpart 000	10% opacity, as a 6-minute average See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
 - a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
 - (1) None
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) **Testing Requirements**

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

a. **Emission Limitation**

0.9 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 500 tons/hour by the emission factor of 0.0018 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. **Emission Limitation**

3.94 TPY PM

Applicable Compliance Method

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.0018 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.

c. **Emission Limitation**

10% opacity, as a 6-minute average

Applicable Compliance Method

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

d. **Emission Limitation-**

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and

PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

16. F015, Material Handling

Operations, Property and/or Equipment Description:

Material Handling -Three (100 tons/hr) and Two (500 tons/hr) Conveyors The terms in this permit supersede those found in 05-11517 September 11, 2001

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI: 05-12282)	Fugitive emissions shall not exceed 0.13 pounds per hour and 0.57 ton per year.
b.	NSPS 40 CFR Part 60, Subpart 000	The visible emissions of fugitive dust shall not exceed 10% opacity, as a 6-minute average for sources subject to this rule.
c.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2)b., below.
d.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2) b., below.

- (2) Additional Terms and Conditions
- a. The hourly and yearly emissions limitation of 0.13 pounds per hour and 0.57 tons per year respectively, were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through any conveyor shall have moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. If the inherent moisture in the aggregate material is not sufficient to comply with the opacity restrictions found in this permit, the permittee shall apply water, or any other suitable dust suppressant, at a rate sufficient to comply with the applicable opacity restriction.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 is also federally enforceable.
- c) Operational Restrictions
- (1) None
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions

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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) Testing Requirements

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

a. Emission Limitation-

0.13 lb/hr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions unit's egress point's maximum hourly production rate (tons/hour) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the total.

b. Emission Limitation

0.57 ton/yr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.

c. Emission Limitation-

10% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

g) Miscellaneous Requirements

- (1) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.



17. F016, Storage Piles

Operations, Property and/or Equipment Description:

Two Aggregate Storage Piles for Portable Track Secondary Crushing Plant No. 1

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3) (PTI:05-11517)	Fugitive emissions from this emissions unit shall not exceed 8.0 ton per year. See section b)(2)a. Through b)(2)f., below Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. Fugitive emissions from this emissions unit shall not exceed one minute during any 60 minutes period. See sections b)(2)b through b)(2)f., below.
b.	OAC rule 3745-17-08(B)	See section b)(2)g., below
c.	OAC rule 3745-17-07(B)	See section b)(2)g., below

(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:

Limestone Aggregate (pile #1)

Limestone Aggregate (pile #2)

- a. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the load-in and load-out materials with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. 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.
- c. 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 treat each storage pile with water and/or any other suitable dust suppression chemicals via the spray tower 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 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.
- e. Implementation of the above mentioned control measures in accordance with the terms and conditions of this permit are appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- f. This emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the

visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
All	daily

- (4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

- (5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

- (6) The permittee 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 d)(7)d. shall be kept separately for d)(1) the load-in operations d)(2) the load-out operations, and d)(3) 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

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

- a. Emission Limitation

Particulate emissions shall not exceed 8.0 tons per year

Applicable Compliance Method-

Compliance shall be determined by summing the results of the following equation:

- i. Aggregate load-in and load-out (750,000 tons/yr); AP-42, Fifth Edition, Chapter 13.2.4 (1/95)

$$E = k(0.0032) (U/5)1.3/(M/2)1.4 \text{ lbs/ton}$$

E = emission factor for sand unloading

k = particle size multiplier = 0.74 for PM <30 um

$U = \text{mean wind speed (mph)} = 9.1$

$M = \text{material moisture content} = 1.5\%$

$E = 0.74(0.0032) (9.1/5)1.3/(1.5/2)1.4 \text{ lbs/ton} = 0.0034 \text{ lbs PM/ton}$

Particulate Emissions = $0.0034 \text{ lbs/ton} * 750,000 \text{ tons/yr} / (1 \text{ ton}/2,000 \text{ lbs})$
= 2.9 tons per year.

Load-in 2.9 tons and Load-out 2.9 tons = 5.8 tons per year.

- ii. Storage piles-wind erosion (2 storage piles, each with a surface area of 1.5 acres per storage pile); AP-42, Fifth Edition, Chapter 13.2.4. (1/95)

$E = 1.7 (s/1.5) * (365-p)/235 * (f/15) \text{ lb/day/acre}$

$s = \text{silt content} = 2.99\% \text{ average of processed and unprocessed}$

$p = \text{no. of days w/} > 0.01 \text{ in rain} = 225 \text{ days}$

$f = \text{\% of time wind exceeds 12 mph} = 30\% \text{ default value}$

$E = 1.7 * (2.99/1.5) * (365-p)/235 * (30/15)$

$1.7 * 1.99 * 0.59 * 2 = 4.0 \text{ lb/day/acre}$

$4.0 \text{ lb/day/acre} * 3.0 \text{ total acres} * 365 \text{ days/year} / (1 \text{ ton}/2,000 \text{ lbs}) = 2.2 \text{ tons per year.}$

- b. Emission limitation-

There shall be no visible particulate emissions from the storage piles and associated material handling activities, except for a period of time not to exceed one minute during any sixty-minute observation period.

Applicable Compliance Method

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) Visible particulate emission readings for each storage pile shall be taken at the same point during the observation period.



18. F017, Secondary Screen

Operations, Property and/or Equipment Description:

Finlay 500 ton/hr Secondary Screen

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-11583)	Fugitive emissions shall not exceed 0.9 pounds per hour and 3.94 tons per year.
b.	NSPS 40 CFR Part 60, Subpart 000	10% opacity, as a 6-minute average See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
 - a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
 - (1) None
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations; and
 - d. any corrective actions taken to eliminate the visible emissions.
 - (3) During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.

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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) Testing Requirements

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

a. Emission Limitation

0.9 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 500 tons/hour by the emission factor of 0.0018 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. Emission Limitation

3.94 TPY PM

Applicable Compliance Method

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.0018 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.

c. Emission Limitation

10% opacity, as a 6-minute average

Applicable Compliance Method

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

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
- a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



19. F018, Material Handling

Operations, Property and/or Equipment Description:

Material Handling - conveyors of: (2) 500 tons/hr; (1) 450 tons/hr; (1) 335 tons/hr; (2) 120 tons/hr; and (1) 50 tons/hr.

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI: 05-12283)	Fugitive emissions shall not exceed 0.20 pounds per hour and 0.91 ton per year.
b.	NSPS 40 CFR Part 60, Subpart 000	The visible emissions of fugitive dust shall not exceed 10% opacity, as a 6-minute average for sources subject to this rule.
c.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2)b., below.
d.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
- a. The hourly and yearly emissions limitation of 0.20 pounds per hour and 0.91 tons per year respectively, were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through any conveyor shall have moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. If the inherent moisture in the aggregate material is not sufficient to comply with the opacity restrictions found in this permit, the permittee shall apply water, or any other suitable dust suppressant, at a rate sufficient to comply with the applicable opacity restriction.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 is also federally enforceable.
- c) Operational Restrictions
- (1) Water shall be applied at all points necessary to ensure compliance with visible emissions limitation.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions

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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) Testing Requirements

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

a. Emission Limitation-

0.20 lb/hr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions unit's egress point's maximum hourly production rate (tons/hour) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the total.

b. Emission Limitation

0.91 ton/yr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.

c. Emission Limitation-

10% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

g) Miscellaneous Requirements

- (1) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.



20. F019, Storage Piles

Operations, Property and/or Equipment Description:

Aggregate Storage Piles for Portable Finlay Secondary Screening Plant No. 1

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3) (PTI:05-11583)	Fugitive emissions from this emissions unit shall not exceed 8 .0 tons per year. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. Fugitive emissions from this emissions unit shall not exceed one minute during any 60 minutes period. See sections b)(2)b through b)(2)e., below.
b.	OAC rule 3745-17-08(B)	See section b)(2)f., below
c.	OAC rule 3745-17-07(B)	See section b)(2)f., below

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the load-in and load-out materials with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. 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.
- c. 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 treat each storage pile with water and/or any other suitable dust suppression chemicals via the spray tower 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 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.
- e. Implementation of the above mentioned control measures in accordance with the terms and conditions of this permit are appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- f. This emissions unit is a portable source and is applicable to the requirements of OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

This emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC

rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
All	daily

- (4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

- (5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

- (6) The permittee 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 d)(7)d. shall be kept separately for d)(1) the load-in operations d)(2) the load-out operations, and d)(3) 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

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

a. Emission Limitation

Particulate emissions shall not exceed 8.0 tons per year

Applicable Compliance Method-

Compliance shall be determined by summing the results of the following equation:

- i. Aggregate load-in and load-out (750,000 tons/yr); AP-42, Fifth Edition, Chapter 13.2.4 (1/95)

$$E = k(0.0032) (U/5)1.3/(M/2)1.4 \text{ lbs/ton}$$

E = emission factor for sand unloading

k = particle size multiplier = 0.74 for PM <30 um

U = mean wind speed (mph) = 9.1

M = material moisture content = 1.5%

$E = 0.74(0.0032) (9.1/5)1.3/(1.5/2)1.4 \text{ lbs/ton} = 0.0034 \text{ lbs PM/ton}$

Particulate Emissions = $0.0034 \text{ lbs/ton} * 750,000 \text{ tons/yr} / (1 \text{ ton}/2,000 \text{ lbs})$
= 2.9 TPY PE

Load-in 2.9 tons and Load-out 2.9 tons= 5.8 tons per year.

- ii. Storage piles-wind erosion (2 storage piles, each with a surface area of 1.5 acres per storage pile); AP-42, Fifth Edition, Chapter 13.2.4. (1/95)

$E = 1.7 (s/1.5) * (365-p)/235 * (f/15) \text{ lb/day/acre}$

s = silt content = 2.99 % average of processed and unprocessed

p = no. of days w/> 0.01 in rain = 225 days

f = % of time wind exceeds 12 mph = 30% default value

$E = 1.7 * (2.99/1.5) * (365-p)/235 * (30/15)$

$1.7 * 1.99 * 0.59 * 2 = 4.0 \text{ lb/day/acre}$

$4.0 \text{ lb/day/acre} * 3.0 \text{ total acres} * 365 \text{ days/year} / (1 \text{ ton}/2,000 \text{ lbs}) = 2.2 \text{ lb PM/hr}$

- b. Emission limitation-

There shall be no visible particulate emissions from the storage piles and associated material handling activities, except for a period of time not to exceed one minute during any sixty-minute observation period.

Applicable Compliance Method

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) Visible particulate emission readings for each storage pile shall be taken at the same point during the observation period.



21. F020, Primary Crushing

Operations, Property and/or Equipment Description:

Portable Trak Primary Crushing Plant No. 1 -500 tons/hr

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-11584)	Fugitive emissions shall not exceed 0.6pounds per hour and 2.63 tons per year.
b.	NSPS 40 CFR Part 60, Subpart OOO	15% opacity, as a 6-minute average See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
 - a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
 - (1) None
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) **Testing Requirements**

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

a. **Emission Limitation**

0.6 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 500 tons/hour by the emission factor of 0.0012 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. **Emission Limitation**

2.63 TPY PM

Applicable Compliance Method

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.

c. **Emission Limitation**

15% opacity, as a 6-minute average

Applicable Compliance Method

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

d. **Emission Limitation-**

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart 000

g) Miscellaneous Requirements

(1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):

- a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
- b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
- c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
- d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
- e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

(2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and

PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



22. F021, Grizzly Feeder

Operations, Property and/or Equipment Description:

Primary Grizzly Feeder- 500 tons/hr

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-11584)	Fugitive emissions shall not exceed 0.9 pounds per hour and 3.94 tons per year.
b.	NSPS 40 CFR Part 60, Subpart 000	10% opacity, as a 6-minute average See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
 - a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
 - (1) None
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions
 - (3) During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.

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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) Testing Requirements

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

a. Emission Limitation

0.9 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 500 tons/hour by the emission factor of 0.0018 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. Emission Limitation

3.94 TPY PM

Applicable Compliance Method

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.

c. Emission Limitation

10 % opacity, as a 6-minute average

Applicable Compliance Method

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

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
- a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



23. F023, Storage Pile

Operations, Property and/or Equipment Description:

Aggregate Storage Pile for Portable Trak Primary Crushing Plant No. 1

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3) (PTI:05-11584)	Fugitive emissions from this emissions unit shall not exceed 6.5 ton per year. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. Fugitive emissions from this emissions unit shall not exceed one minute during any 60 minutes period . See sections b)(2)a through b)(2)f., below.
b.	OAC rule 3745-17-08(B)	See section b)(2)f., below
c.	OAC rule 3745-17-07(B)	See section b)(2)f., below

- (2) Additional Terms and Conditions
- a. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the load-in and load-out materials with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
 - b. 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.
 - c. 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 treat each storage pile with water and/or any other suitable dust suppression chemicals via the spray tower 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 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.
 - e. Implementation of the above mentioned control measures in accordance with the terms and conditions of this permit are appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
 - f. This emissions unit is a portable source and is applicable to the requirements of OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

This emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC

rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
All	daily

- (4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

- (5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

- (6) The permittee 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 d)(7)d. shall be kept separately for d)(1) the load-in operations d)(2) the load-out operations, and d)(3) 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

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

a. Emission Limitation:

Particulate emissions shall not exceed 6.5 tons per year

Applicable Compliance Method-

Compliance shall be determined by summing the results of the following equation:

- i. Aggregate load-in and load-out (750,000 tons/yr); AP-42, Fifth Edition, Chapter 13.2.4 (1/95)

$$E = k(0.0032) (U/5)1.3/(M/2)1.4 \text{ lbs/ton}$$

E = emission factor for sand unloading

k = particle size multiplier = 0.74 for PM <30 um

U = mean wind speed (mph) = 9.1

M = material moisture content = 1.5%

$E = 0.74(0.0032) (9.1/5)^{1.3}/(1.5/2)^{1.4}$ lbs/ton = 0.0034 lbs PM/ton

Particulate Emissions = 0.0034 lbs/ton * 750,000 tons/yr / (1 ton/2,000 lbs)
 = 2.9 TPY PE

Load-in storage pile: 2.9 and Load-out storage pile: 2.9. Total=5.8 tons per year

- ii. Storage piles-wind erosion (2 storage piles, each with a surface area of 1.5 acres per storage pile); AP-42, Fifth Edition, Chapter 13.2.4. (1/95)

$E = 1.7 (s/1.5) * (365-p)/235 * (f/15)$ lb/day/acre

s = silt content = 2.99 % average of processed and unprocessed

p = no. of days w/> 0.01 in rain = 225 days

f = % of time wind exceeds 12 mph = 30% default value

$E = 1.7 * (2.99/1.5) * (365-p)/235 * (30/15)$

$1.7 * 1.99 * 0.59 * 2 = 4.0$ lb/day/acre

4.0 lb/day/ *one acre * 365 days/year / (1 ton/2,000 lbs) = 0.73 tons per year.

- b. Emission limitation-

There shall be no visible particulate emissions from the storage piles and associated material handling activities, except for a period of time not to exceed one minute during any sixty-minute observation period.

Applicable Compliance Method

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) Visible particulate emission readings for each storage pile shall be taken at the same point during the observation period.

24. F024, Vibrating Screens

Operations, Property and/or Equipment Description:

Two 250 tons/hr 683 Supertrak Vibrating Screens: (1) 4 x 8 Deck; and (1) 5 x 12 Deck

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-12284)	Fugitive emissions shall not exceed 0.89 pounds per hour and 3.94 tons per year.
b.	NSPS 40 CFR Part 60, Subpart 000	10% opacity, as a 6-minute average. See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
 - a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
 - (1) None
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) Testing Requirements

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

a. Emission Limitation

0.89 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 500 tons/hour by the emission factor of 0.00010 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. Emission Limitation

3.94 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section d)(1) summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.00010 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. Emission Limitation

10 % opacity, as a 6-minute average

Applicable Compliance Method

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

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart 000

- (2) During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
- a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



25. F025, Material Handling-

Operations, Property and/or Equipment Description:

Material Handling- Seven 250 tons/hr Conveyors

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

a.	OAC rule 3745-31-05(A)(3) (PTI: 05-12284)	Fugitive emissions shall not exceed 0.18 pounds per hour and 0.78 ton per year.
b.	NSPS 40 CFR Part 60, Subpart OOO	The visible emissions of fugitive dust shall not exceed 10% opacity, as a 6-minute average for sources subject to this rule.
c.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2)b., below.
d.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

(2) Additional Terms and Conditions

a. The hourly and yearly emissions limitation of 0.18 pounds per hour and 0.78 tons per year respectively, were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

- b. These OAC rules and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through any conveyor shall have moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. If the inherent moisture in the aggregate material is not sufficient to comply with the opacity restrictions found in this permit, the permittee shall apply water, or any other suitable dust suppressant, at a rate sufficient to comply with the applicable opacity restriction.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 is also federally enforceable.
- c) Operational Restrictions
- (1) Water shall be applied at all points necessary to ensure compliance with visible emissions limitation.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.
- f) Testing Requirements
- (1) Compliance with the emissions limitations in Section b)(1) of these terms and conditions shall be determined in accordance with the following method(s):
- a. Emission Limitation-
- 0.18 lb/hr particulate emissions
- Applicable Compliance Method-
- Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hour) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the total.
- b. Emission Limitation
- 0.78 ton/yr particulate emissions
- Applicable Compliance Method-
- Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.
- c. Emission Limitation-
- 10% opacity, as a 6-minute average
- Applicable Compliance Method-
- Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.
- d. Emission Limitation-
- 20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart 000

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and

PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



26. F026, Storage Piles-

Operations, Property and/or Equipment Description:

F026 Storage Piles (encompassing 4.0 acres)

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3) (PTI:05-12284)	Fugitive emissions from this emissions unit shall not exceed 8.4 ton per year. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. Fugitive emissions from this emissions unit shall not exceed one minute during any 60 minutes period. See sections b)(2)a., through b)(2)f., below.
b.	OAC rule 3745-17-08(B)	See section b)(2)g., below
c.	OAC rule 3745-17-07(B)	See section b)(2)g., below

- (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
- 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 treat the load-in and load-out materials with water and/or any other suitable dust suppression chemicals to ensure compliance. 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 treat each storage pile with water and/or any other suitable dust suppression chemicals via the spray tower 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 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 are appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- g. This emissions unit is a portable source and is applicable to the requirements of OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements

established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

This emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
All	daily

(4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

(5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

(6) The permittee 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 d)(7)d. shall be kept separately for d)(1) the load-in operations d)(2) the load-out operations, and d)(3) 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

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

a. Emission Limitation-

8.4 tons particulate per year

Applicable Compliance Method-

Compliance shall be determined by using AP-42 13.2.4-3 emissions factor:

$K = 0.74$

$U = 9.1$ mph

= 4.0%

Emissions, lb/tn = $k(0.0032)[U/5^{1.3}/(M/2)^{1.4}]$

= $0.74(0.0032)[(9.1 \text{ mph}/5)^{1.3} / (4.0/2)^{1.4}]$

= 0.002 lb/tn

Storage Load-in of Base Aggregate Storage Pile - 750,000 TPY

0.002 lb/tn (750,000 TPY)(1 tn/2,000 lbs)

= 0.75 TPY

Storage Load-out of Base Aggregate Storage Pile - 750,000 TPY

0.002 lb/tn (750,000 TPY)(1 tn/2,000 lbs)

= 0.75 TPY

b. Wind Erosion -

Silt Content (S)- 4.0 %

Surface area - 4.0 acres

Precipitation 0.01" (P) - 130 days per year

Wind velocity % >12 MPH (F)- 30 days per year

Emissions, lb/day/acre = $1.79 (S/1.5)[365 \text{ days} - P]/235](F/15)$

= $1.79(4.0/1.5)[(365-130)/235](30/15)$

= 9.5 lb/day/acre

= 9.5 (4 acre)(365 days/year)(1 tn/2,000 lbs)

= 6.9 TPY

c. Emission Limitation -

No visible emissions, except for one-minute per hour

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) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.



27. F027, Portable Conical Crusher

Operations, Property and/or Equipment Description:

120 ton/hr Portable Conical Crusher

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) (3) (PTI:05-12285)	Fugitive emissions shall not exceed 0.084 pounds per hour and 0.36 tons per year.
b.	NSPS 40 CFR Part 60, Subpart 000	15% opacity, as a 6-minute average See sections b)(2)c., and b)(2)d., below.
c.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
d.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2) b., below.
e.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2)b., below.

- (2) Additional Terms and Conditions
- a. The hourly emission limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 - b. These OAC rules, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
- (1) Water shall be applied at all points necessary to ensure compliance with visible emissions limitation.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) **Testing Requirements**

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

a. **Emission Limitation**

0.084 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 1200 tons/hour by the emission factor of 0.00070 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. **Emission Limitation**

0.36 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section d)(1) summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.00070 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. **Emission Limitation**

15% opacity, as a 6-minute average

Applicable Compliance Method

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

d. **Emission Limitation-**

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart 000

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and

PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[OAC rule 3745-31-03(A)(1)(p)(i)]

- (3) Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.



28. F028, Storage Pile

Operations, Property and/or Equipment Description:

Aggregate Storage Pile

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3) (PTI:05-12285)	Fugitive emissions from this emissions unit shall not exceed 3.67 ton per year. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust . Fugitive emissions from this emissions unit shall not exceed one minute during any 60 minutes period. See sections b)(2)a. through b)(2)f., below.
b.	OAC rule 3745-17-08(B)	See section b)(2)g., below
c.	OAC rule 3745-17-07(B)	See section b)(2)g., below

- (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:
 - 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 treat the load-in and load-out materials with water and/or any other suitable dust suppression chemicals to ensure compliance. 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 treat each storage pile with water and/or any other suitable dust suppression chemicals via the spray tower 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 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 are appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
 - g. This emissions unit is a portable source and is applicable to the requirements of OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

This emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
All	daily

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

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
All	daily

(4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

(5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

(6) The permittee 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 d)(7)d. shall be kept separately for d)(1) the load-in operations d)(2) the load-out operations, and d)(3) 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

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

a. Emission Limitation-

3.67 tons particulate per year

Applicable Compliance Method-

Compliance shall be determined by using AP-42 13.2.4-3 emissions factor:

$K = 0.74$

$U = 9.1 \text{ mph}$

$= 4.0\%$

Emissions, lb/tn = $k(0.0032)[U/5^{1.3}/(M/2)^{1.4}]$

$$= 0.74(0.0032)[(9.1 \text{ mph}/5)^{1.3} / (4.0/2)^{1.4}]$$

$$= 0.002 \text{ lb/tn}$$

Storage Load-in of Base Aggregate Storage Pile - 750,000 TPY

$$0.002 \text{ lb/tn (100,000 TPY)(1 tn/2,000 lbs)}$$

$$= 0.1 \text{ tons per year}$$

Storage Load-out of Base Aggregate Storage Pile - 750,000 TPY

$$0.002 \text{ lb/tn (100,000 TPY)(1 tn/2,000 lbs)}$$

$$= 0.1 \text{ tons per year}$$

b. Wind Erosion -

Silt Content (S)- 4.0 %

Surface area - 4.0 acres

Precipitation 0.01" (P) - 130 days per year

Wind velocity % >12 MPH (F)- 30 days per year

$$\text{Emissions, lb/day/acre} = 1.79 (S/1.5)[365 \text{ days} - P]/235](F/15)$$

$$= 1.79(4.0/1.5)[(365-130)/235](30/15)$$

$$= 9.5 \text{ lb/day/acre}$$

$$= 9.5 (2 \text{ acre})(365 \text{ days/year})(1 \text{ tn}/2,000 \text{ lbs})$$

$$= 3.47 \text{ tons per year}$$

c. Emission Limitation -

No visible emissions, except for one-minute per hour

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) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance



29. F029, Material Handling

Operations, Property and/or Equipment Description:

Material Handling (1) 120 ton per hour conveyor

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI: 05-12285)	Fugitive emissions shall not exceed 0.012 pounds per hour and 0.05 ton per year.
b.	NSPS 40 CFR Part 60, Subpart 000	The visible emissions of fugitive dust shall not exceed 10% opacity, as a 6-minute average for sources subject to this rule.
c.	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. See section b)(2)b., below.
d.	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section b)(2) b., below.

(2) Additional Terms and Conditions

a. The hourly and yearly emissions limitation of 0.012 pounds per hour and 0.05 tons per year respectively, were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.



- b. These OAC rules and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
 - c. The aggregate materials processed through any conveyor shall have moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. If the inherent moisture in the aggregate material is not sufficient to comply with the opacity restrictions found in this permit, the permittee shall apply water, or any other suitable dust suppressant, at a rate sufficient to comply with the applicable opacity restriction.
 - d. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 is also federally enforceable.
- c) Operational Restrictions
- (1) Water shall be applied at all points necessary to ensure compliance with visible emissions limitation.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
 - (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 each crusher, screen, transfer point, and load-out operation. The presence or absence of any visible 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations ;and
 - d. any corrective actions taken to eliminate the visible emissions
- 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

- (2) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedances occurs.

f) Testing Requirements

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

- a. Emission Limitation-

0.012lb/hr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hour) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the total.

- b. Emission Limitation

0.05 ton/yr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.

- c. Emission Limitation-

10% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

- d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO

g) Miscellaneous Requirements

- (1) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.