



Environmental
Protection Agency

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

8/6/2010

Mr. John Galloway
Crushco, LLC
441 Rockwood Ave.
Chesapeake, OH 45619

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0744000175
Permit Number: P0106671
Permit Type: Initial Installation
County: Lawrence

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 Portsmouth City Health Dept., Air Pollution Unit at (740)353-5156 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: Portsmouth



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Crushco, LLC**

Facility ID: 0744000175
Permit Number: P0106671
Permit Type: Initial Installation
Issued: 8/6/2010
Effective: 8/6/2010
Expiration: 8/6/2020



Division of Air Pollution Control
Permit-to-Install and Operate
for
Crushco, LLC

Table of Contents

Authorization 1
A. Standard Terms and Conditions 3
1. What does this permit-to-install and operate ("PTIO") allow me to do?..... 4
2. Who is responsible for complying with this permit? 4
3. What records must I keep under this permit? 4
4. What are my permit fees and when do I pay them?..... 4
5. When does my PTIO expire, and when do I need to submit my renewal application? 4
6. What happens to this permit if my project is delayed or I do not install or modify my source? 5
7. What reports must I submit under this permit? 5
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? 5
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? ... 5
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? 5
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? 6
12. What happens if one or more emissions units operated under this permit is/are shut down permanently? 6
13. Can I transfer this permit to a new owner or operator?..... 6
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? 6
15. What happens if a portion of this permit is determined to be invalid? 7
B. Facility-Wide Terms and Conditions..... 8
C. Emissions Unit Terms and Conditions 10
1. P001, Portable crusher/screener with 350 hp engine 11

Authorization

Facility ID: 0744000175
Application Number(s): A0039979
Permit Number: P0106671
Permit Description: Installation of Eagle 1200 Crusher with 350 hp engine and associated equipment
Permit Type: Initial Installation
Permit Fee: \$900.00
Issue Date: 8/6/2010
Effective Date: 8/6/2010
Expiration Date: 8/6/2020
Permit Evaluation Report (PER) Annual Date: Apr 1 - Mar 31, Due May 15

This document constitutes issuance to:

Crushco, LLC
#1 Shade Drive
Proctorville, OH 45669

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:

Portsmouth City Health Dept., Air Pollution Unit
605 Washington Street
3rd Floor
Portsmouth, OH 45662
(740)353-5156

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: P0106671

Permit Description: Installation of Eagle 1200 Crusher with 350 hp engine and associated equipment

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

Emissions Unit ID:

P001

Company Equipment ID:

Portable crusher/screener with 350 hp engine

Superseded Permit Number:

General Permit Category and Type: Not Applicable

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

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



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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Portsmouth City Health Dept., Air Pollution Unit 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. P001, Portable crusher/screener with 350 hp engine

Operations, Property and/or Equipment Description:

250 TPH Eagle model 1200-25CC Portable Crusher with 350 hp diesel engine and associated equipment (manufactured in 2003)

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. b)(1)b. and b)(1)h.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Crusher and Material Handling operations		
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	Fugitive particulate emissions (PE) shall not exceed 3.35 pounds per hour (lbs/hr) and 6.7 tons per year (tpy). Fugitive particulate emissions less than 10 microns (PM10) shall not exceed 1.45 lbs/hr and 2.9 tpy. Visible emissions restrictions (See b)(2)h.) Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/1/06	See b)(2)c.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-07(B)(1)	See b)(2)d.
d.	OAC rule 3745-17-08(B)	See b)(2)d.
e.	40 CFR Part 60, Subpart OOO	Visible emissions restrictions (See b)(2)h.) See b)(2)i.
Diesel Engine		
f.	OAC rule 3745-31-05(E) (restriction to avoid state modeling)	Nitrogen oxide (NOx) emissions shall not exceed 21.7 tpy.
g.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	NOx emissions shall not exceed 10.85 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 2.35 lbs/hr and 4.7 tpy. Sulfur dioxide (SO2) emissions shall not exceed 0.74 lb/hr and 1.5 tpy. Volatile organic compound (VOC) emissions shall not exceed 0.88 lb/hr and 1.76 tpy. PM10 emissions shall not exceed 0.77 lb/hr and 1.54 tpy. See b)(2)a. See b)(2)b.
h.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)c.
i.	OAC rule 3745-17-11(B)(5)(a)	PE shall not exceed 0.031 lb of PE/mmBtu.
j.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.
k.	OAC rule 3745-18-06(G)	See b)(2)e.
l.	40 CFR, Part 60, Subpart IIII	See b)(2)j.

(2) Additional Terms and Conditions

- a. Permit to Install and Operate P0106671 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for purposes of establishing requirements that would be equivalent to Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3), as effective November 30, 2001:
- i. the emission limitations and visible emission restrictions contained in b)(1)a. and b)(1)g.;
 - ii. the operating hours have been limited to 4,000 hours per year for the purposes of avoiding state modeling requirements;
 - iii. the use of water and reduced drop height or the front end loader as best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust, and
 - iv. compliance with 40 CFR Part 60, Supart OOO, as applicable.

The voluntary restrictions above are being defined as equivalent to BAT requirements such that this emissions unit meets the criteria in g)(1) associated with the relocation of a portable source.

*All particulate matter emissions from the diesel engine are PM10.

- b. The permittee satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit.

On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 Changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then the requirements of OAC rule 3745-31-05(A)(3), effective November 30, 2001 will no longer apply.

- c. OAC rule 3745-31-05(A)(3)(a)(ii) applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

As indicated in b)(2)a. above voluntary restrictions have been established which are equivalent to BAT such that when BAT requirements under OAC rule 3745-31-05(A)(3), effective 11-30-01 are no longer applicable [see b)(2)b.] this portable emissions unit will meet the BAT requirements associated with the relocation of a portable source.

BAT requirements under OAC rule 3745-31-05(A)(3), as effective November 30, 2001 do not apply to the PM10, SO2, and VOC emissions from the diesel engine since the uncontrolled potentials to emit for PM10, SO2, and VOC are each less than ten tons per year.

- d. This emission 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. Voluntary restrictions proposed by the permittee under OAC rule 3745-31-05(A)(3) are equivalent to or more stringent than any requirements/emissions limitations as may be applicable under OAC 3745-17-07(B) and OAC 3745-17-08(B).
- e. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
- f. The crusher and associated material handling operations (excluding front-end load to feeder transfer point) is applicable to the requirements of 40 CFR Part 60 Subpart OOO when the crusher is used to crush any non-metallic mineral material* as defined in 60.671. The provisions of 40 CFR Part 60 Subpart OOO do not apply to the crusher and associated material handling operations when used to process material that is not defined as a non-metallic mineral. The voluntary restrictions proposed by the permittee under OAC 3745-31-05(C) are equivalent to or more stringent than any requirements/emissions limitations as may be applicable under 40 CFR Part 60 Subpart OOO.

**Nonmetallic mineral means any of the following minerals or any mixture of which the majority is any of the following minerals: (a) Crushed and Broken Stone, including Limestone, Dolomite, Granite, Traprock, Sandstone, Quartz, Quartzite, Marl, Marble, Slate, Shale, Oil Shale, and Shell (b) Sand and Gravel (c) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay (d) Rock Salt (e) Gypsum (f) Sodium Compounds, including Sodium Carbonate, Sodium Chloride, and Sodium Sulfate (g) Pumice (h) Gilsonite (i) Talc and Pyrophyllite (j) Boron, including Borax, Kernite, and Colemanite (k) Barite (l) Fluorospar.(m) Feldspar (n) Diatomite (o) Perlite (p) Vermiculite (q) Mica (r) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.*

- g. The material handling operation(s) that are covered by this permit and subject to the following requirements are listed below:

- Load in
- Crushing
- Screening
- Conveying
- Transfer points

The permittee shall employ reasonably available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform watering and minimize the drop height of the front end loader as necessary ensure compliance.

For each processing and material handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material processing/handling operations until further observation confirms that use of the control measures is unnecessary.

Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08(B).

- h. Visible PE from the crusher and material handling operations shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Truck Loading to Hopper	transfer point	20% as a 6-minute average	OAC rule 3745-31-05(F)
Hopper to Crusher	transfer point	15% as a 6-minute average	OAC rule 3745-31-05(F)& NSPS Subpart OOO
Crusher	crushing	15% as a 6-minute average	OAC rule 3745-31-05(F) & NSPS Subpart OOO
Crusher to Conveyor	transfer point	15% as a 6-minute average	OAC rule 3745-31-05(F) & NSPS Subpart OOO
Conveyor to Screen	transfer point	10% as a 6-minute average	OAC rule 3745-31-05(F) & NSPS Subpart OOO
Screen	screening	10% as a 6-minute average	OAC rule 3745-31-05(F) & NSPS Subpart OOO
Screen to Conveyor	transfer point	10% as a 6-minute average	OAC rule 3745-31-05(F) & NSPS Subpart OOO
Conveyor to fine screen	transfer point	10% as a 6-minute average	OAC rule 3745-31-05(F) & NSPS Subpart OOO
Fine screen	screening	10% as a 6-minute average	OAC rule 3745-31-05(F) & NSPS Subpart OOO

- i. The application and enforcement of the provisions of NSPS, as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- j. This emissions unit is not subject to 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion because the engine was constructed/manufactured prior to July 11, 2005.

c) Operational Restrictions

- (1) The maximum annual operating hours for this emissions unit shall not exceed 4,000 hours per year.
- (2) The permittee shall burn only No. 2 diesel fuel oil in the diesel engine associated with this emission unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the operating hours for this emissions unit.
- (2) Except as otherwise provided in this section, for each material processing and handling operation that is not adequately enclosed, the permittee shall perform inspections of such material processing and handling operations in accordance with the following minimum frequencies in order to determine if control measures need to be implemented:

<u>Material Handling Operation(s)</u>	<u>Minimum Inspection Frequency</u>
All Operations	Once During Each Day of Operation

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance. The inspections shall be performed during representative, normal operating conditions.

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

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

- (4) For each day during which the permittee burns a fuel other than diesel fuel as specified in c)(2), the permittee shall maintain a record of the type, quantity and documentation of the sulfur content 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.

- (2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in d)(3) above:
 - a. each day during which an inspection of the material processing and handling operations was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

- (3) Pursuant to the general provisions of 40 CFR 60, Subpart A, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:

- a. notification of the actual date of initial startup of each affected facility.

For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

- b. date of performance testing (if required, at least 30 days prior to testing).

The notification requirements for testing may be fulfilled by the "Intent to Test" (ITT) notification required in d)(7). The ITT form should indicate an indication that the requirements of b. above are being fulfilled by the ITT notification.

- c. The Subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under Subpart OOO.

Reports are to be sent to:

Portsmouth Local Air Agency
605 Washington St.
Portsmouth, Ohio 45662

- (4) If applicable, the permittee shall comply with the reporting requirements required under 40 CFR Part 60, Subpart OOO, including the following sections:

60.676(a)(1)	replacement of crushing operations
60.676(a)(2)	replacement of screening operations
60.676(a)(3)	replacement of conveyor belts



60.676(a)(4)	replacement of storage bins
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The notification shall be submitted to the Portsmouth Local Air Agency within 30 days after the equipment replacement.

- (5) Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. actual start-up date (within 15 days after such date); and
 - b. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Portsmouth Local Air Agency
605 Washington St.
Portsmouth, Ohio 45662

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 methods:

- a. Emission Limitation: (from crusher and material handling)

Fugitive particulate emissions (PE) shall not exceed 3.35 pounds per hour (lbs/hr) and 6.7 tons per year.

Fugitive particulate emissions less than 10 microns (PM10) shall not exceed 1.45 lbs/hr and 2.9 tpy.

Applicable Compliance Method:

The lb/hr emission limitations were determined by multiplying the following AP-42 emission factors by the maximum capacity of the unit of 250 ton per hour. The annual emission limitations were determined by multiplying the lbs/hr limitation by the maximum operating schedule of 4000 hours per year and dividing by 2000 lbs/ton. Therefore, provided compliance is shown the requirements to apply best available control measures to minimize or eliminate visible fugitive particulate emissions and with the 4,000 hours per year operational restriction, it shall be a rebuttable presumption that compliance with the annual emission limitations have been attained.

Material Handling Operation	PE Emission Factor	PM10 Emission Factor
Truck unloading/dumping into feeder	0.005 lbs/ton	0.0023 lbs/ton
Crushing	0.003 lbs/ton	0.0012 lbs/ton



Screening	0.0022 lbs/ton	0.00074 lbs/ton
Fines screening	0.0036 lbs/ton	0.0022 lbs/ton
Transfer Points (13 total)	0.00014 lbs/ton	0.000046 lbs/ton

The controlled emission factors for the crushing, screening, and material handling operations are from AP-42 Section 11.19.2-2 (08/04). The uncontrolled emission factors for truck unloading and front end loader dumping into the feeder are derived from AP-42 Section 13.2.4 (11/06).

b. Emission Limitation: (from diesel engine)

NOx emissions shall not exceed 10.85 lbs/hr and 21.7 tpy.

CO emissions shall not exceed 2.35 lbs/hr and 4.7 tpy.

SO2 emissions shall not exceed 0.74 lb/hr and 1.5 tpy.

VOC emissions shall not exceed 0.88 lb/hr and 1.76 tpy.

PM10 emissions shall not exceed 0.77 lb/hr and 1.54 tpy.

Applicable Compliance Method:

The hourly emission limitations represent the potential to emit* for this emissions unit. Therefore no monitoring record keeping, or deviation reporting is required to demonstrate compliance with these limitations.

*Potential to emit for this emissions unit was established by multiplying the appropriate AP 42 emission factor from table 3.3-1 (10/96) of 0.031lb NOx/hp-hr, 0.0067lb CO/hp-hr, 0.0025lb VOC/hp-hr, and 0.0022lb PM10/hp-hr, and 0.0021 lb SO2/hp-hr, by the emission units' maximum capacity of 350hp.

The annual emission limitations were established by multiplying the hourly emission limitations by a maximum operating schedule of 4000 hours per year and dividing by 2000 lbs/ton. Therefore provided compliance is shown the hourly limitation and with the 4000 hours per year operational restriction, compliance with the annual limitation will be assumed.

If required, the permittee shall demonstrate compliance in accordance with the following test methods:

- for NOx, Methods 1 through 4 and 7 of 40 CFR, Part 60, Appendix A;
- for CO, Methods 1 through 4 and 10 of 40 CFR, Part 60, Appendix A;
- for SO2, Methods 1 through 4 and 6 of 40 CFR, Part 60, Appendix A;
- for PM10, Methods 201/201A and 202 of 40 CFR, Part 51, Appendix M;
- for OC, Methods 1 through 4 and Method 18, 25 or 25A of 40 CFR, Part 60, Appendix A;

Alternative U.S. EPA approved test methods may be used with prior approval from the Portsmouth Local Air Agency.

c. Emission Limitation:

20% opacity, as a 6-minute average from the truck loading

Applicable Compliance Method:

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

d. Emission Limitation:

15% opacity, as a 6-minute average from the crusher and from the associated material handling operations

Applicable Compliance Method:

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

e. Emission Limitation:

10% opacity, as a 6-minute average from the screening and from the associated material handling operations

Applicable Compliance Method:

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

f. Emission Limitation:

20% opacity, as a 6-minute average from the diesel engine, except as provided by rule.

Applicable Compliance Method:

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

- (2) In the first instance when this emissions unit operates as an affected facility at a nonmetallic mineral processing plant as specified in 60.670(a)(1), the permittee shall conduct, or have conducted, emission testing for the crushing, screening, and material

handling operations (transfer points) of emissions unit P001. The emissions testing requirements of 40 CFR Part 60 Subpart OOO do not apply to the crushing, screening, and associated material handling operations when used to process material that is not defined as a non-metallic mineral. (non-metallic mineral is defined in 60.671).

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

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a 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 has been issued a PTIO and the permittee continues to comply with any applicable best available technology (BAT) determination and state and/or federal rules;
 - b. the portable source is operating pursuant to a currently effective PTIO 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 in violation of 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.

- (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.