



State of Ohio Environmental Protection Agency

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P.O. Box 1049
Columbus, OH 43216-1049

3/4/2010

Certified Mail

Ned Herald
Ohio Machinery Co, dba Ohio CAT
5252 Walcutt Court
Columbus, OH 43228

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

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0125044042
Permit Number: P0105866
Permit Type: Initial Installation
County: Franklin

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.

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

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

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

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

Sincerely,

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

Cc: Ohio EPA-CDO

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



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

FINAL

Air Pollution Permit-to-Install and Operate
for
Ohio Machinery Co, dba Ohio CAT

Facility ID: 0125044042
Permit Number: P0105866
Permit Type: Initial Installation
Issued: 3/4/2010
Effective: 3/4/2010
Expiration: 12/24/2019



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
Ohio Machinery Co, dba Ohio CAT

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State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0105866
Facility ID: 0125044042
Effective Date:3/4/2010

Authorization

Facility ID: 0125044042
Application Number(s): A0038864
Permit Number: P0105866
Permit Description: Installation and operation of a 300 ton per hour crusher
Permit Type: Initial Installation
Permit Fee: \$750.00
Issue Date: 3/4/2010
Effective Date: 3/4/2010
Expiration Date: 12/24/2019
Permit Evaluation Report (PER) Annual Date: July 1 - June 30, Due Aug 15

This document constitutes issuance to:

Ohio Machinery Co, dba Ohio CAT
5252 Walcutt Court
Columbus, OH 43228

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, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

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



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0105866
Facility ID: 0125044042
Effective Date:3/4/2010

Authorization (continued)

Permit Number: P0105866
Permit Description: Installation and operation of a 300 ton per hour crusher

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

Emissions Unit ID:	F001
Company Equipment ID:	F001
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0105866
Facility ID: 0125044042
Effective Date: 3/4/2010

A. Standard Terms and Conditions



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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

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



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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Central District Office in accordance with OAC



rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

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

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

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

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

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

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

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

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

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

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



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0105866

Facility ID: 0125044042

Effective Date: 3/4/2010

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
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B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0105866

Facility ID: 0125044042

Effective Date: 3/4/2010

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.



State of Ohio Environmental Protection Agency
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Final Permit-to-Install and Operate
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Effective Date: 3/4/2010

C. Emissions Unit Terms and Conditions



1. F001, F001

Operations, Property and/or Equipment Description:

CRUSHER UNIT MODEL 5256T IMPACT CRUSHER SERIAL #D5256T-B-JH2252

- 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), as effective 11/30/2001	Fugitive particulate emissions (PE) from the portable crusher shall not exceed 0.36 pounds per hour and 1.58 tons per year Fugitive particulate matter 10 microns in diameter or less (PM ₁₀) from the portable crusher shall not exceed 0.16 pounds per hour and 0.71 tons per year Fugitive particulate emissions (PE) from transfer points shall not exceed 0.81 pounds per hour and 3.55 tons per year Fugitive particulate matter 10 microns in diameter or less (PM ₁₀) from transfer points shall not exceed 0.30 pounds per hour and 1.30 tons per year Fugitive particulate emissions (PE) from loading operations shall not exceed 1.11



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		pounds per hour and 4.86 tons per year Fugitive particulate matter 10 microns in diameter or less (PM ₁₀) from loading operations shall not exceed 0.51 pounds per hour and 2.23 tons per year See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/2006	See b)(2)b.
c.	OAC rule 3745-17-07(B)	The emission limitation established by this rule are less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart OOO.
d.	OAC rule 3745-17-08(B)	Reasonably available control measures for the crusher, transfer points and loading operations. See b)(2)c., b)(2)d., b)(2)e., b)(2)f., b)(2)g., b)(2)h.
e.	40 CFR Part 60, Subpart OOO (40 CFR 60.670 – 60.676) [In accordance with 40 CFR 60.670(a)(1), this emissions unit is a portable nonmetallic mineral processing plant that is subject the emissions limitations/control measures of this subpart.]	The visible particulate emissions (PE) shall not exceed 12% opacity, as a six-minute average, from the crusher. The visible particulate emissions (PE) shall not exceed 7% opacity, as a six-minute average, from transfer points.
f.	40 CFR 60.1-19 [General Provisions]	The General Provisions of 40 CFR 60 are applicable except as defined in Table 1 of 40 CFR 60, Subpart OOO

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutant less than 10 tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC 3745-31-05, the requirement to satisfy BAT still exists as a part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures no longer apply.
- b. This rule paragraph applies once U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as a part of the State Implementation Plan.



The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the fugitive particulate emissions (PE) and fugitive particulate matter 10 microns in diameter or less (PM₁₀) from this air contaminant source since the calculated controlled potential to emit for fugitive particulate emissions (PE) and fugitive particulate matter 10 microns in diameter or less (PM₁₀) is less than 10 tons/yr.

- c. The permittee shall employ a water spray bar at all times this emissions unit is in operation to minimize or eliminate visible particulate emissions of fugitive dust from the crusher and material handling operations.
- d. The permittee shall minimize free-fall distance when loading material into the crusher hopper.
- e. The material handling operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

<u>Material Handling Operation(s)</u>	<u>Control Measure(s)</u>
Each load-in operation	minimize free-fall distance
Each crushing operation	water spray bar
Each material conveying operation	water spray bar
Each load-out operation	water spray bar

- f. The permittee shall employ reasonably available control measures on all load-in operations associated with material handling for the purpose of ensuring compliance with the above-mentioned applicable requirements and shall minimize free-fall distance of the processed material.
- g. The permittee shall employ reasonably available control measures for the material handling operations listed above, 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 use a wet spray system as necessary to maintain compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- h. For each material handling operation that is not adequately enclosed, the above-identified control measure(s) in b)(2)c and b)(2)d shall be implemented, if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- i. 40 Code of Federal Regulations (CFR) Part 60 Subpart OOO requirements are applicable to the crusher and associated material handling operations (excluding truck dumping into the crusher feeder hopper, see b)(2)j) 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.



- j. Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of §60.672 of this part.
- k. For the purposes of compliance with 40 CFR Part 60 Subpart OOO requirements, truck dumping means the unloading of nonmetallic minerals from movable vehicles designed to transport nonmetallic minerals from one location to another. Movable vehicles include but are not limited to: trucks, front end loaders, skip hoists, and railcars.
- l. The application and enforcement of the provisions of 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.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
Each load-in operation	daily
Each crushing operation	daily
Each material conveying operation	daily
Each load-out operation	daily

- (2) The permittee may, upon receipt of written approval from Ohio EPA, CDO, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

- (3) The permittee shall maintain records of the following information:

- a. the date and reason any required inspection was not performed;
- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control 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” 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) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(3) above:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
 - (5) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 60.674(b).
- 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 comply with applicable notification(s) and report(s) as specified in 40 CFR Part 60.676(b).
- f) Testing Requirements
- (1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
0.36 lbs of fugitive PE per hour from crushing operations

Applicable Compliance Method:
The emission limitation was developed by multiplying the AP-42 emission factor of 0.0012 lbs PE/ton of material (Table 11.19.2-2 (August 2004)) and a maximum throughput capacity of 300 tons per hour.
 - b. Emission Limitation:
1.58 tons of fugitive PE per year from crushing operations

Applicable Compliance Method:
The emission limitation was developed by multiplying the AP-42 emission factor of 0.0012 lbs PE/ton of material (Table 11.19.2-2 (August 2004)), a maximum throughput capacity of 300 tons per hour and conversion factors of 8,760 hours per year and 1 ton/2000 lbs.
 - c. Emission Limitation:
0.16 lbs fugitive PM₁₀ per hour from crushing operations



Applicable Compliance Method:

The emission limitation was developed by multiplying the AP-42 emission factor of 0.00054 lbs PM₁₀/ton of material (Table 11.19.2-2 (August 2004)) and a maximum throughput capacity of 300 tons per hour.

d. Emission Limitation:

0.71 tons of fugitive PM₁₀ per year from crushing operations

Applicable Compliance Method:

The emission limitation was developed by multiplying the AP-42 emission factor of 0.00054 lbs PM₁₀/ton of material (Table 11.19.2-2 (August 2004)), a maximum throughput capacity of 300 tons per hour and conversion factors of 8,760 hours per year and 1 ton/2000 lbs.

e. Emission Limitation:

0.81 lbs of fugitive PE per hour from material handling

Applicable Compliance Method:

Fugitive material handling emission limitations were developed by multiplying the AP-42 emission factor of 0.0030 lbs PE/ton of material (Table 11.19.2-2 (August 2004)) and a maximum throughput capacity of 300 tons per hour. The result of the calculation was then multiplied by the number of transfer points that have emission control equipment. This result was then multiplied by a control efficiency of the control equipment of 70%.

f. Emission Limitation:

3.55 tons of fugitive PE per year from material handling

Applicable Compliance Method:

Fugitive material handling emission limitations were developed by multiplying the AP-42 emission factor of 0.0030 lbs PE/ton of material (Table 11.19.2-2 (August 2004)), a maximum throughput capacity of 300 tons per hour and conversion factors of 8,760 hours per year and 1 ton/2,000 lbs. The result of the calculation was then multiplied by the number of transfer points that have emission control equipment. This result was then multiplied by a control efficiency of the control equipment of 70%.

g. Emission Limitation:

0.30 lbs of fugitive PM₁₀ per hour from material handling

Applicable Compliance Method:

Fugitive material handling emission limitations were developed by multiplying the AP-42 emission factor of 0.00110 lbs PM₁₀/ton of material (Table 11.19.2-2 (August 2004)) and a maximum throughput capacity of 300 tons per hour. The result of the calculation was then multiplied by the number of transfer points that have emission control equipment. This result was then multiplied by a control efficiency of the control equipment of 70%.

h. Emission Limitation:

1.30 tons of fugitive PM₁₀ per year from material handling



Applicable Compliance Method:

Fugitive material handling emission limitations were developed by multiplying the AP-42 emission factor of 0.00110 lbs PM₁₀/ton of material (Table 11.19.2-2 (August 2004)), a maximum throughput capacity of 300 tons per hour and conversion factors of 8,760 hours per year and 1 ton/2,000 lbs. The result of the calculation was then multiplied by the number of transfer points that have emission control equipment. This result was then multiplied by a control efficiency of the control equipment of 70%.

i. Emission Limitation:

1.11 lbs of fugitive PE per hour from material load-in operations

Applicable Compliance Method:

Fugitive loading emission limitations associated with the loading on the crusher were developed by multiplying the AP-42 emission factor (Chapter 13.2.4.3 equation 1 (November 2006)), using a mean wind speed of 7 miles per hour, and a 2.0% moisture content value.

j. Emission Limitation:

4.86 tons of fugitive PE per year from material load-in operations

Applicable Compliance Method:

Fugitive loading emission limitations associated with the loading on the crusher were developed by multiplying the AP-42 emission factor (Chapter 13.2.4.3 equation 1 (November 2006)), using a mean wind speed of 7 miles per hour, a 2.0% moisture content value and conversion factors of 8,760 hours per year and 1 ton/2,000 lbs.

k. Emission Limitation:

0.51 lbs of fugitive PM₁₀ per hour from material load-in operations

Applicable Compliance method:

Fugitive loading emission limitations associated with the loading on the crusher were developed by multiplying the AP-42 emission factor (Chapter 13.2.4.3 equation 1 (November 2006)), using a mean wind speed of 7 miles per hour, and a 2.0% moisture content value.

l. Emission Limitation:

2.23 tons of fugitive PM₁₀ per year from material load-in operations

Applicable Compliance Method:

Fugitive loading emission limitations associated with the loading on the crusher were developed by multiplying the AP-42 emission factor (Chapter 13.2.4.3 equation 1 (November 2006)), using a mean wind speed of 7 miles per hour, a 2.0% moisture content value and conversion factors of 8,760 hours per year and 1 ton/2,000 lbs.

m. Emission Limitation:

Visible particulate emissions (PE) from the crusher shall not exceed 12% opacity as a six-minute average, except as provided by rule. Visible particulate emissions (PE) from any transfer point or belt conveyors (excluding truck



dumping, see b)(2)h) shall not exceed 7% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- i. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after initial startup of the emissions unit.
- ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for fugitive particulate emissions (PE) and fugitive particulate matter 10 microns in diameter or less (PM₁₀)
- iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

U.S EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3) and 40 CFR 60.675

- iv. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
- v. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
- vi. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- vii. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the



test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met. The Director may issue a "Notice of Site Approval" through either of the following scenarios:

- a. Where future locations of the proposed portable source are unknown, the approval to relocate the portable source shall be acquired in accordance with the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - i. 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;
 - ii. 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;
 - iii. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority to Central District Office prior to the scheduled relocation;
 - iv. 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
 - v. 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; **or**

- b. As the alternative for any pre-disclosed location, the Director may issue a "Notice of Site Approval" if the portable source meets the requirements of OAC rule 3745-31-05(H), as follows:
 - i. the portable source is operating pursuant to a currently effective permit-to-install (PTI), permit-to-install and operate (PTIO), or has been approved for registration status and continues to comply with the requirements of the permit and any applicable state and/or federal rules;



- ii. the portable source has been issued a PTIO or PTI and the permittee continues to comply with the requirements of the permit, including any applicable best available technology (BAT) determination;
- iii. the portable source owner has identified and submitted the proposed site to the Ohio EPA;
- iv. the permitting District Office/local air agency and the District Office/local air agency having jurisdiction over the new site (if different) have determined that the portable source will have an acceptable environmental impact at the proposed site;
- v. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site is located;
- vi. the owner of the proposed site (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site; and
- vii. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site. Any site approval issued by the Ohio EPA, pursuant to OAC rule 3745-31-05(H), is subject to expiration and renewal. Pursuant to OAC rule 3745-31-07(C)(3), any site approval for a portable source shall be issued for a period of time determined to be appropriate by the Director and the renewal will be reevaluated and subject to the same requirements above.

- (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 or PTI (as applicable) 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