



State of Ohio Environmental Protection Agency

STREET ADDRESS:

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Columbus, Ohio 43215

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

10/21/2009

Kenneth Rankin
Ohio Concrete Recycling LLC
3525 Broadway Ave.
Louisville, OH 44641

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1677011119
Permit Number: P0105609
Permit Type: Administrative Modification
County: Summit

Certified Mail

| | |
|----|----------------------|
| 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 |

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.

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 Akron Regional Air Quality Management District. 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: ARAQMD

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 Concrete Recycling LLC**

Facility ID: 1677011119
Permit Number: P0105609
Permit Type: Administrative Modification
Issued: 10/21/2009
Effective: 10/21/2009
Expiration: 10/5/2019



Air Pollution Permit-to-Install and Operate
for
Ohio Concrete Recycling LLC

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State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0105609
Facility ID: 1677011119
Effective Date: 10/21/2009

Authorization

Facility ID: 1677011119
Application Number(s): M0000606
Permit Number: P0105609
Permit Description: Administrative modification to remove stack testing requirement within 60 day after issuance of this permit from emissions units F001, F002, and F003. Initial stack testing was performed on May 15, 2008.
Permit Type: Administrative Modification
Permit Fee: \$0.00
Issue Date: 10/21/2009
Effective Date: 10/21/2009
Expiration Date: 10/5/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Ohio Concrete Recycling LLC
725 BALTIMORE AVE
Akron, OH 44314

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:

Akron Regional Air Quality Management District
146 South High Street, Room 904
Akron, OH 44308
(330)375-2480

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: P0105609
Permit Description: Administrative modification to remove stack testing requirement within 60 day after issuance of this permit from emissions units F001, F002, and F003. Initial stack testing was performed on May 15, 2008.

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: CAT 3408C Generator
Superseded Permit Number: P0104510
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F001**
Company Equipment ID: Aggregate Processing Plant
Superseded Permit Number: P0104510
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F002**
Company Equipment ID: Roadways
Superseded Permit Number: P0104510
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F003**
Company Equipment ID: Storage Piles
Superseded Permit Number: P0104510
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: P0105609

Facility ID: 1677011119

Effective Date: 10/21/2009

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 Akron Regional Air Quality Management District 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: P0105609

Facility ID: 1677011119

Effective Date: 10/21/2009

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

Permit Number: P0105609

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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: P0105609

Facility ID: 1677011119

Effective Date: 10/21/2009

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
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0105609

Facility ID: 1677011119

Effective Date: 10/21/2009

C. Emissions Unit Terms and Conditions



1. B001, CAT 3408C Generator

Operations, Property and/or Equipment Description:

551 horsepower CAT 3408C diesel fired generator with the ability to be portable - CAT 3408C Diesel Fired Generator.

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) | <p>Nitrogen oxide (NOx) emissions shall not exceed 7.67 pounds per hour and 17.26 tons per year</p> <p>Carbon monoxide (CO) emissions shall not exceed 5.15 pounds per hour and 11.59 tons per year</p> <p>Sulfur dioxide (SO2) emissions shall not exceed 1.13 pounds per hour and 2.54 tons per year</p> <p>Particulate emissions (PE) shall not exceed 1.20 pounds per hour and 2.70 tons per year</p> <p>Volatile organic compounds (VOC) emissions shall not exceed 1.39 pounds per hour and 3.13 tons per year</p> |



| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|----|-------------------------------|--|
| | | The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-17-11(B)(5)(a). See c)(1) and c)(2) below. |
| b. | OAC rule 3745-17-07(A) | Visible particulate emissions from the diesel engine exhaust stack shall not exceed twenty percent opacity, as a six-minute average, except as provided by rule. |
| c. | OAC rule 3745-17-11(B)(5)(a) | The particulate emissions from the diesel engine's exhaust shall not exceed 0.310 pound per million Btu of actual heat input. |
| d. | OAC rule 3745-18-06(B) | Stationary internal combustion engines which have rated heat input capacities equal to, or less than, ten MM Btu per hour total rated capacity are exempt from paragraphs (D), (F), and (G) of OAC rule 3745-18-06 and from rules 3745-18-07 to 3745-18-94 of the Administrative Code. |
| e. | OAC rule 3745-21-08(B) | See b)(2)b. below. |

(2) Additional Terms and Conditions

- a. The hourly PE, NOx, CO, SO2, and VOC emission limitations are based on the emissions unit's potential to emit. Therefore, no record keeping or reporting is required to ensure compliance with these emission limitations.
- b. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the 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 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

- (1) This emissions unit shall be operated with diesel fuel with a sulfur content less than or equal to 0.5%, by weight.
- (2) The maximum annual operating hours for this emissions unit shall not exceed 4500.



- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall maintain a record of the sulfur content of each shipment of diesel fuel received for burning in this emissions unit.
 - (2) The permittee shall maintain monthly records of the operating hours for this emissions unit.
- e) Reporting Requirements
 - (1) The permittee shall submit annual permit evaluation reports that identify any of the following occurrences:
 - a. each day when a fuel that did not meet the requirements of c)(1) above was burned in this emissions unit; and
 - b. any exceedance of the annual limitation on the hours of operation.
 - (2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- f) Testing Requirements
 - (1) Compliance with the emission limitation(s) in b)(1) above shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
NOx emissions shall not exceed 7.67 pounds per hour

Applicable Compliance Method:
The hourly allowable NOx emission limitation above was established based on the results of testing at 100% load.

If required, the permittee shall demonstrate compliance with the hourly allowable NOx emission limitation based on the results of emission testing conducted in accordance with Methods 1-4, and 7, 7A, 7C, or 7E, as appropriate, of 40 CFR Part 60, Appendix A.
 - b. Emission Limitation:
CO emissions shall not exceed 5.15 pounds per hour

Applicable Compliance Method:
The hourly allowable CO emission limitation above was established based on the results of testing at 100% load.



If required, the permittee shall demonstrate compliance with the hourly allowable CO emission limitation based on the results of emission testing conducted in accordance with Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.

c. Emission Limitation:

SO₂ emissions shall not exceed 1.13 pounds per hour

Applicable Compliance Method:

Compliance with the hourly allowable SO₂ emission limitation above shall be demonstrated by multiplying the AP-42 emission factor of 0.00205 pound of SO₂ per horsepower-hour (AP-42 Table 3.3-1 dated 10/96) by the maximum power output.

If required, the permittee shall demonstrate compliance with the hourly allowable SO₂ emission limitation based on the results of emission testing conducted in accordance with Methods 1-4 and 6 or 6C, as appropriate, of 40 CFR Part 60, Appendix A.

d. Emission Limitation:

PE shall not exceed 1.20 pounds per hour

Applicable Compliance Method:

Compliance with the hourly allowable PE limitation above shall be demonstrated by multiplying the allowable emission limit of 0.310 pound of PE per million Btu of actual fuel input by 7000 Btu/horsepower-hour times 1 MM Btu/ 1 x 10⁶ Btu times the maximum power output.

If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation based on the results of emission testing conducted in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

e. Emission Limitation:

VOC emissions shall not exceed 1.39 pounds per hour

Applicable Compliance Method:

Compliance with the hourly allowable VOC emission limitation above shall be demonstrated by multiplying the AP-42 emission factor of 0.00247 pound of VOC per horsepower-hour (AP-42 Table 3.3-1 dated 10/96) by the maximum power output.

If required, the permittee shall demonstrate compliance with the hourly allowable VOC emission limitation based on the results of emission testing conducted in accordance with Methods 1-4 and 25 or 25A, as appropriate, of 40 CFR Part 60, Appendix A.



f. Emission Limitations:

NOx emissions shall not exceed 17.26 tons per year

CO emissions shall not exceed 11.59 tons per year

SO2 emissions shall not exceed 2.54 tons per year

PE shall not exceed 2.70 tons per year

VOC emissions shall not exceed 3.13 tons per year

Applicable Compliance Method:

The annual allowable emission limitations above were determined by multiplying the hourly allowable emission limitations by the maximum annual allowable operating hours (4500 hours per year), and then dividing by 2000. Therefore, as long as compliance with the hourly allowable emission limitations and the annual allowable operating hours is maintained, compliance with the annual allowable emission limitations shall be assumed.

g. Emission Limitation:

Visible PE from the diesel engine exhaust stack shall not exceed twenty percent opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the visible PE limitation from the diesel engine exhaust stack shall be demonstrated in accordance with the test method and procedures specified in OAC rule 3745-17-03(B)(1).

h. Emission Limitation:

The PE from the diesel engine's exhaust shall not exceed 0.310 pound per million Btu of actual heat input.

Applicable Compliance Method:

If required, compliance with the allowable PE limitation shall be demonstrated in accordance with test method(s) and procedures specified in OAC rule 3745-17-03(B)(10).

g) Miscellaneous Requirements

- (1) At the Director's discretion and following the written 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 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 (the Ohio EPA District Office or local air agency that has issued the effective current permit) 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.

- (3) 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.



2. F001, Aggregate Processing Plant

Operations, Property and/or Equipment Description:

350 ton per hour aggregate processing plant with wet suppression at the crushing operations and the ability to be portable - Impactor Crushing Operations.

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 |
|--|-------------------------------|--|
| 350-ton per hour aggregate processing plant with wet suppression at the crushing operations and the ability to be portable – Impact Crushing Operations | | |
| a. | OAC rule 3745-31-05(A)(3) | Particulate emissions (PE) shall not exceed 4.17 pounds per hour and 18.26 tons per year. The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart OOO. |
| Crushing and Screening Operations – Pioneer crusher and screener | | |
| b. | OAC rule 3745-31-05(A)(3) | The permittee shall continuously employ wet suppression system at the inlet and outlet of the crusher when the emissions unit is in operation. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See b)(2)b. below.) |
| c. | OAC rule 3745-17-07(B) | The emission limitation based on this |



| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|--|-------------------------------|---|
| | | applicable rule is less stringent than the emission limitation established pursuant to either OAC rule 3745-31-05(A)(3) or 40 CFR 60, subpart 000. |
| d. | OAC rule 3745-17-08(B) | The emission limitation based on this applicable rule is less stringent than the emission limitation established pursuant to either OAC rule 3745-31-05(A)(3) or 40 CFR 60, subpart 000. |
| e. | 40 CFR Part 60 Subpart 000 | <p>No owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity, as a six-minute average.</p> <p>No owner or operator shall cause to be discharged into the atmosphere from any screening operation any fugitive emissions which exhibit greater than 10 percent opacity, as a six-minute average.</p> |
| Material Handling – conveyors, transfer points (6 belt conveyors), and loading into feed hopper | | |
| f. | OAC rule 3745-31-05(A)(3) | <p>Visible PE from any fugitive dust source shall not exceed ten percent opacity, as a three-minute average (i.e., loading into feed hopper).</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See b)(2)d. through b)(2)f. below.)</p> |
| g. | OAC rule 3745-17-07(B) | The emission limitation based on this applicable rule is less stringent than the emission limitation established pursuant to either OAC rule 3745-31-05(A)(3) or 40 CFR 60, subpart 000. |
| h. | OAC rule 3745-17-08(B) | The emission limitation based on this applicable rule is less stringent than the emission limitation established pursuant to either OAC rule 3745-31-05(A)(3) or 40 CFR 60, subpart 000. |
| i. | 40 CFR Part 60 Subpart 000 | No owner or operator shall cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10 percent opacity, as a six-minute average. |



(2) Additional Terms and Conditions

- a. The hourly and annual PE emission limitations are based on the emissions unit's potential to emit. Therefore, no record keeping or reporting is required to ensure compliance with these emission limitations.
- b. The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust from emissions unit F001. If the inherent moisture in the aggregate and the continuous wet suppression system at the inlet and the outlet of the crusher is not sufficient to comply with the opacity restrictions of this permit, the permittee shall install additional equipment to apply water, or any other suitable dust suppressant, at appropriate locations in the production line.
- c. The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

Loading into Feed Hopper

Feed Hopper - Crusher

Crusher - 20' Conveyor

20' Conveyor - 100' Conveyor

100' Conveyor - 80' Conveyor

100' Conveyor - Grizzly Screen

Grizzly Screen - 100' Conveyor (#1)

Grizzly Screen - 100' Conveyor (#2)

Grizzly Screen - 100' Conveyor (#3)

- d. The permittee shall employ best 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 the following control measure(s) to ensure compliance:

material handling operation(s)

control measure(s)

loading into feed hopper

maintain a low drop height and a high moisture content for the material being processed

all conveyor and transfer points

maintain a high moisture content for the material being processed



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

- e. For each material handling operation that is not adequately enclosed, the above-identified control measure(s) 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.
- f. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08 and OAC rule 3745-31-05(A)(3).
- g. This facility shall not cause a nuisance per Ohio Administrative Code 3745-15-07.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records documenting any time period when the emissions unit was in operation and the wet suppression system at the inlet and the outlet of the crusher was not employed.
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., crusher, screens, and conveyor's transfer points) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions
- (3) 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:



material handling operation(s) minimum inspection frequency

all (See b)(2)c. above.) daily

(4) The above-mentioned inspections shall be performed during representative, normal operating conditions.

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

- a. the date and reason any required inspection was not performed;
- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
- c. the dates the control measure(s) was (were) implemented; and
- d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in d)(5)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.

(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.

e) Reporting Requirements

(1) The permittee shall submit annual permit evaluation reports that identify any of the following occurrences:

- a. each day during which an inspection was not performed by the required frequency;
- b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented;
- c. each day during which any visible fugitive particulate emissions were observed from any of the egress points (i.e., crusher, screens, and conveyor's transfer points) serving this emissions unit along with a describe any corrective actions taken to eliminate the visible fugitive particulate emissions; and
- d. any time periods when the emissions unit was in operation and the wet suppression system at the inlet and outlet of the crusher was not employed.

(2) 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.



- (3) The owner or operator shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR Part 60, subpart OOO, including the reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b), (c), and (f) of 40 CFR Part 60, subpart OOO.
 - (4) The owner or operator of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to the no visible emission limit and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit and the emission test requirements of §60.11 of 40 CFR Part 60, subpart A and 40 CFR Part 60, subpart OOO. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit.
- f) Testing Requirements
- (1) The permittee shall conduct emission testing for this emissions unit in accordance with the following requirements:
 - a. While this emissions unit is located at 1 General Street, Akron, OH, the emission testing shall be conducted twice per calendar year, once in April and once in August.
 - b. The emission testing shall be conducted to demonstrate compliance with opacity emission limitations for the crusher and the screen and transfer points listed in b)(2)c. above and subject to 40 CFR Part 60, subpart OOO.
 - c. The following test method(s) shall be employed to demonstrate compliance: for particulate emissions Method 9 of 40 CFR Part 60, Appendix A and the procedures in §60.11 of 40 CFR Part 60, subpart A, with the following additions:
 - i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
 - iii. For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
 - d. When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used as described under §60.672(c) of 40 CFR Part 60, subpart OOO, the duration of the Method 9 observations may



- be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:
- i. There are no individual readings greater than 15 percent opacity; and
 - ii. There are no more than 3 readings of 15 percent for the 1-hour period.
- e. When determining compliance with the fugitive emissions standard for the screening operation and the transfer points listed in b)(2)c. above and subject to 40 CFR Part 60, subpart OOO, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:
- i. There are no individual readings greater than 10 percent opacity; and
 - ii. There are no more than 3 readings of 10 percent for the 1-hour period.
- f. 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.
- (2) 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).
- (3) 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.
- (4) 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.
- (5) Starting December 2009 and each year thereafter, the permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify or waive the above-mentioned emission testing in f)(1) above if operating experience indicates that less frequent emission testing would be sufficient to ensure compliance with the above-mentioned applicable requirements. The permittee must submit an emission testing waiver request by January 31 of each year and shall provide detailed information documenting why the emission testing should be waived. The decision to waive the emission testing shall be based on inspections performed by the field office,



complaints received by the field office from the public, and record keeping presented by the permittee.

- (6) Compliance with the emission limitation(s) in b)(1) above shall be determined in accordance with the following method(s):

a. Emission Limitation:

Particulate emissions shall not exceed 4.17 pounds per hour.

Applicable Compliance Method:

Compliance with the hourly allowable PE emission limitation shall be demonstrated as follows:

- i. multiply the AP-42 derived particulate emission factor of 0.012 pound of PE per ton of material transferred (AP-42, Chapter 13.2.4.3, Equation 1, dated 11/06) by the maximum amount of material transferred into the feed hopper (350 tons per hour);
- ii. multiply the AP-42 particulate emission factor of 0.025 pound of PE per ton of material throughput (Table 11.19.2-2 dated 8/04) by the maximum throughput rate (350 tons per hour);
- iii. multiply the AP-42 particulate emission factor of 0.0012 pound of PE per ton of material throughput (Table 11.19.2-2 dated 8/04) by the maximum throughput rate (350 tons per hour);
- iv. multiply the AP-42 particulate emission factor of 0.0022 pound of PE per ton of material throughput (Table 11.19.2-2 dated 8/04) by the maximum throughput rate (350 tons per hour);
- v. multiply the AP-42 particulate emission factor of 0.00014 pound of PE per ton of material throughput (Table 11.19.2-2 dated 8/04) by the maximum throughput rate (350 tons per hour) times 8 transfer points; and
- vi. Sum i + ii + iii + iv + v.

b. Emission Limitation:

Particulate emissions shall not exceed 18.26 tons per year.

Applicable Compliance Method:

The annual allowable particulate emission limitation above was determined by multiplying the hourly allowable emission limitation by the maximum annual operating hours (8760 hours per year), and then dividing by 2000. Therefore, as long as compliance with the hourly allowable emission limitation is maintained, compliance with the annual allowable emission limitation shall be assumed.



c. Emission Limitation:

Visible PE from any fugitive dust source shall not exceed ten percent opacity, as a three-minute average (i.e., loading into feed hopper).

Applicable Compliance Method:

Compliance with the visible PE limitation from any fugitive dust source shall be determined in accordance with the test method and procedures specified in OAC rule 3745-17-03(B)(3).

d. Emission Limitation:

No owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity, as a six-minute average.

No owner or operator shall cause to be discharged into the atmosphere from any screening operation any fugitive emissions which exhibit greater than 10 percent opacity, as a six-minute average.

No owner or operator shall cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10 percent opacity, as a six-minute average.

Applicable Compliance Method:

Compliance with the fugitive emissions limitations shall be demonstrated using US EPA Method 9 of 40 CFR Part 60, Appendix A and the procedures in 40 CFR Part 60, subpart OOO as specified in f)(1) through f)(4) above.

g) Miscellaneous Requirements

(1) At the Director's discretion and following the written 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 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 (the Ohio EPA District Office or local air agency that has issued the effective current permit) 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.



3. F002, Roadways

Operations, Property and/or Equipment Description:

paved and unpaved roadways - roadways.

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific 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 |
|--|---|--|
| Paved and Unpaved Roadways - Roadways | | |
| a. | OAC rule 3745-31-05(A)(3) | 18.49 tons of particulate emissions (PE) per year |
| Paved Roadways and Parking Areas (See b)(2)a. below.) | | |
| b. | OAC rule 3745-31-05(A)(3) | There shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period. best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See b)(2)c. and b)(2)e. through b)(2)j. below.) |
| c. | OAC rule 3745-17-07 (B)(4) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| d. | OAC rule 3745-17-08 (B), (B)(8), (B)(9) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |



| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|--|---------------------------------|---|
| Unpaved Roadways and Parking Areas (See b)(2)b. below.) | | |
| e. | OAC rule 3745-31-05(A)(3) | There shall be no visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period. best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See b)(2)d. through b)(2)j. below.) |
| f. | OAC rule 3745-17-07 (B)(5) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| g. | OAC rule 3745-17-08 (B), (B)(2) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |

(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 and parking area:

paved road

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

unpaved roadways and parking area:

unpaved road

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

- d. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water at sufficient treatment frequencies to ensure



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

- e. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
 - f. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
 - g. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
 - h. All earth and/or other materials deposited on the nearby public roadways shall be removed at the end of each work day. There shall be no deposited material left on the public roadways after the operations have ceased for the day.
 - 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 requirements of OAC rules 3745-17-08 and 3745-31-05(A)(3).
 - k. This facility shall not cause a nuisance per Ohio Administrative Code 3745-15-07.
 - l. The annual PE limitation is based on the emissions unit's potential to emit. Therefore, no record keeping or reporting is required to ensure compliance with this emission limitation.
- c) Operational Restrictions
- (1) None.



e) Reporting Requirements

- (1) The permittee shall submit annual permit evaluation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
- (2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the emission limitation(s) in b)(1) above shall be determined in accordance with the following method(s):

a. Emission Limitation:

There shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.

Applicable Compliance Method:

Compliance with the visible particulate emission limitation 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)(d) of OAC rule 3745-17-03.

b. Emission Limitation:

There shall be no visible particulate emissions except for a period of time not to exceed three minutes during any sixty-minute observation period.

Applicable Compliance Method:

Compliance with the visible particulate emission limitation 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)(d) of OAC rule 3745-17-03.

c. Emission Limitation:

18.49 tons of PE per year



Applicable Compliance Method:

Compliance with the annual allowable PE emission limitation shall be demonstrated as follows:

- i. multiply the AP-42 derived particulate emission factor of 12.81 pounds of PE per vehicle mile traveled (VMT) (AP-42, Chapter 13.2.1.3, Equation 2, dated 11/06) by the maximum VMT per year times $(1-0.95^*)$, and then divide by 2000 pounds per ton;
- ii. multiply the AP-42 derived particulate emission factor of 5.97 pounds of PE per VMT (AP-42, Chapter 13.2.2.1, Equation 2, dated 11/06) by the maximum VMT per year times $(1-0.95^*)$, and then divide by 2000 pounds per ton; and
- iii. Sum i + ii.

*Control efficiency for control methods used (i.e., watering, sweeping etc.).

- (2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. While this emissions unit is located at 1 General Street, Akron, OH, the emission testing shall be conducted twice per calendar year, once in April and once in August.
 - b. The emission testing shall be conducted to demonstrate compliance with the visible particulate emission limitations for paved and unpaved roadways. The following areas at a minimum shall be observed: the unpaved roadway with the most vehicular traffic, the weigh scale area, and the public roadway leading to the facility.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable visible particulate emission limitations: Method 22 of 40 CFR Part 60, Appendix A, as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. 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.
- (3) 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).



- (4) 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.
 - (5) 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.
 - (6) Starting December 2009 and each year thereafter, the permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify or waive the above-mentioned emission testing in f)(2) above if operating experience indicates that less frequent emission testing would be sufficient to ensure compliance with the above-mentioned applicable requirements. The permittee must submit an emission testing waiver request by January 31 of each year and shall provide detailed information documenting why the emission testing should be waived. The decision to waive the emission testing shall be based on inspections performed by the field office, complaints received by the field office from the public, and record keeping presented by the permittee.
- g) **Miscellaneous Requirements**
- (1) At the Director's discretion and following the written 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 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 (the Ohio EPA District Office or local air agency that has issued the effective current permit) 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.



4. F003, Storage Piles

Operations, Property and/or Equipment Description:

storage piles, including load-in, load-out, wind erosion and initial crushing of material.

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 |
|--|-------------------------------|---|
| Storage piles, including load-in, load-out, wind erosion, operations of vehicles on top of storage piles and initial crushing of material | | |
| a. | OAC rule 3745-31-05(A)(3) | 9.19 tons of particulate emissions (PE) per year |
| Initial crushing of material in storage piles – pulverizer | | |
| b. | OAC rule 3745-31-05(A)(3) | Visible PE from any fugitive dust source shall not exceed ten percent opacity, as a three-minute average. The permittee shall employ wet suppression when the pulverizer is crushing material to minimize or eliminate visible emissions of fugitive dust. |
| Load-in and load-out of storage piles (see b)(2)a. below identification of storage piles) | | |
| c. | OAC rule 3745-31-05(A)(3) | There shall be no visible particulate emissions except for a period of time not to exceed one minute in any sixty-minute observation period. best available control measures that are |



| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|--|-------------------------------|--|
| | | sufficient to minimize or eliminate visible emissions of fugitive dust (See b)(2)b., b)(2)c. and b)(2)h. below.) |
| Wind erosion from storage piles (see b)(2)a. below for identification of storage piles) | | |
| d. | OAC rule 3745-31-05(A)(3) | There shall be no visible particulate emissions except for a period of time not to exceed one minute in any sixty-minute observation period. best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See b)(2)d., b)(2)e., and b)(2)h. below.) |
| Operation of vehicles on top of storage piles, excluding emissions from the combustion of fuels in such vehicles (i.e., pile working) | | |
| e. | OAC rule 3745-31-05(A)(3) | There shall be no visible particulate emissions except for a period of time not to exceed one minute in any sixty-minute observation period. best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See b)(2)f. through b)(2)h. below.) |
| Load-in and load-out of storage piles, operations of vehicles on top of storage piles, wind erosion from storage piles, and initial crushing of material in storage piles | | |
| f. | OAC rule 3745-17-07(B)(6) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| g. | OAC rule 3745-17-08(B),(B)(6) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |

(2) Additional Terms and Conditions

- a. The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

| <u>storage pile identification</u> | <u>number of separate piles</u> |
|------------------------------------|---------------------------------|
| Aggregate | 20 |
| Top Soil | 5 |



- 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 application, the permittee has committed to maintain minimal drop heights for stackers, front-end loaders, and trucks and to maintain a high moisture content of the material being stored from the carry-over from the wet suppression system to ensure compliance.

The operator shall avoid dragging any front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective 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 application, the permittee has committed to maintain a high moisture content of the material being stored from the carry-over from the wet suppression system, to maintain low storage heights, and to plant vegetation on the top soil storage piles to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective 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. The permittee shall employ best available control measures on all pile working operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the storage piles with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.
- g. The above-mentioned control measure(s) shall be employed for pile working operation 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.

- h. 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 and OAC rule 3745-31-05(A)(3).
- i. This facility shall not cause a nuisance per Ohio Administrative Code 3745-15-07.
- j. The annual PE emission limitation is based on the emissions unit's potential to emit. Therefore, no record keeping or reporting is required to ensure compliance with this emission limitation.

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) Except as otherwise provided in this section, the permittee shall perform inspections of each pile working operation associated with each storage pile in accordance with the following frequencies:

| <u>storage pile identification</u> | <u>minimum pile working inspection frequency</u> |
|------------------------------------|--|
| all | daily |



- (5) Except as otherwise provided in this section, the permittee shall perform inspections of the initial crushing of material associated with each storage pile in accordance with the following frequencies:

| <u>storage pile identification</u> | <u>minimum initial crushing inspection frequency</u> |
|------------------------------------|--|
| all | daily |

- (6) 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.
- (7) 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, wind erosion from the surface of a storage pile, for pile working operations , and for the initial crushing of material. The inspections shall be performed during representative, normal storage pile operating conditions.
- (8) 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.
- (9) 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)(9)d. above shall be kept separately for (i) the load-in operations, (ii) the load-out operations, (iii) the pile working operations, (iv) the pile surfaces (wind erosion), and (v) initial crushing operations and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) The permittee shall submit annual permit evaluation reports that identify any of the following occurrences:



- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
- (2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- f) Testing Requirements
- (1) Compliance with the emission limitation(s) in b)(1) above shall be determined in accordance with the following method(s):
- a. Emission Limitation:

There shall be no visible particulate emissions except for a period of time not to exceed one minute in any sixty-minute observation period.

Applicable Compliance Method:

Compliance with the visible PE limitation 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)(d) of OAC rule 3745-17-03.
 - b. Emission Limitation:

9.19 tons of PE per year

Applicable Compliance Method:

Compliance with the annual allowable PE emission limitation shall be demonstrated as follows:
 - i. multiply the WebFIRE particulate emissions factor of 0.0022 pound of PE per ton of material throughput by the maximum amount of material throughput per year, and then divide by 2000 pounds per ton;
 - ii. multiply the AP-42 derived particulate emission factor of 0.012 pound of PE per ton of material transferred (AP-42, Chapter 13.2.4.3, Equation 1, dated 11/06) by the maximum amount of material transferred per year times (1-0.95*), and then divide by 2000 pounds per ton;
 - iii. multiply the derived particulate emission factor of 10.37 pounds of PE per day per acre (EPA document EPA-450/2-92-004, Equation 2-12, dated 9/92) by the maximum surface area of the storage piles in acres times



365 days per year times (1-0.90*), and then divide by 2000 pounds per ton;

- iv. multiply the AP-42 derived particulate emission factor of 3.20 pounds of PE per vehicle miles traveled (VMT) on the storage piles (AP-42, Chapter 13.2.2.1, Equation 2, dated 11/06) by the maximum VMT per year times (1-0.95*), and then divide by 2000 pounds per ton; and
- v. Sum i + ii + iii + iv.

*Control efficiency for control methods used (i.e., low drop height, water carry over, etc.)

c. Emission Limitation:

Visible PE from any fugitive dust source shall not exceed ten percent opacity, as a three-minute average.

Applicable Compliance Method:

Compliance with the visible PE limitation from any fugitive dust source shall be determined in accordance with the test method and procedures specified in OAC rule 3745-17-03(B)(3).

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

- a. While this emissions unit is located at 1 General Street, Akron, OH, the emission testing shall be conducted twice per calendar year, once in April and once in August.
- b. The emission testing shall be conducted to demonstrate compliance with the visible particulate emission limitations for load-in, load-out, operations of vehicles on top of storage piles, and wind erosion for the storage piles that are active. Emission testing shall also be conducted to demonstrate compliance with the visible particulate emission limitation for the pulverizer.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable visible particulate emission limitations: for the load-in, load-out, operations on vehicles on top of storage piles, and wind erosion: Method 22 of 40 CFR Part 60, Appendix A, as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03 and for the pulverizer Method 9 of 40 CFR Part 60, Appendix A, such appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) through (B)(3)(e) of OAC rule 3745-17-03.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

- d. 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.



- (3) 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).
- (4) 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.
- (5) 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.
- (6) Starting December 2009 and each year thereafter, the permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify or waive the above-mentioned emission testing in f)(2) above if operating experience indicates that less frequent emission testing would be sufficient to ensure compliance with the above-mentioned applicable requirements. The permittee must submit an emission testing waiver request by January 31 of each year and shall provide detailed information documenting why the emission testing should be waived. The decision to waive the emission testing shall be based on inspections performed by the field office, complaints received by the field office from the public, and record keeping presented by the permittee.

g) **Miscellaneous Requirements**

- (1) At the Director's discretion and following the written 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 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 (the Ohio EPA District Office or local air agency that has issued the effective current permit) 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.