



State of Ohio Environmental Protection Agency

**RE: DRAFT PERMIT TO INSTALL
SUMMIT COUNTY**

CERTIFIED MAIL

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.
Center

Application No: 16-02475

Fac ID: 1677011119

DATE: 4/17/2007

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

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43216-1049.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$1850** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

ARAQMD

Akron Metro Area Trans. Study

WV

PA

SUMMIT COUNTY

PUBLIC NOTICE

**ISSUANCE OF DRAFT PERMIT TO INSTALL 16-02475 FOR AN AIR CONTAMINANT SOURCE FOR
Ohio Concrete Recycling LLC**

On 4/17/2007 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Ohio Concrete Recycling LLC**, located at **1 General St, Akron, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 16-02475:

Concrete Crushing, Material Handling/Storage Piles, Roadways and Parking Areas.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

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



**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 16-02475

Application Number: 16-02475
Facility ID: 1677011119
Permit Fee: **To be entered upon final issuance**
Name of Facility: Ohio Concrete Recycling LLC
Person to Contact: Kenneth Rankin
Address: 3525 Broadway Ave NE
Louisville, OH 44641

Location of proposed air contaminant source(s) [emissions unit(s)]:

**1 General St
Akron, Ohio**

Description of proposed emissions unit(s):

Concrete Crushing, Material Handling/Storage Piles, Roadways and Parking Areas.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Ohio Concrete Recycling LLC
PTI Application: 16-02475
Issued: To be entered upon final issuance
Part I - GENERAL TERMS AND CONDITIONS

Facility ID: 1677011119

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections,

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conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

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9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available

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Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only) TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
NOx	17.26
CO	11.59
SO2	2.54
VOC	3.13
PE	48.64

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
B001 - 551 horsepower CAT 3408C diesel fired generator with the ability to be portable - CAT 3408C Diesel- Fired Generator.	<p>OAC rule 3745-31-05(A)(3)</p> <p>OAC rule 3745-17-11(B)(5)(a)</p> <p>OAC rule 3745-18-06(B)</p> <p>OAC rule 3745-21-08(B)</p>
	OAC rule 3745-17-07(A)

**Ohio
PTI A**

Emissions Unit ID: **B001**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

Nitrogen oxide (NOx) emissions shall not exceed 7.67 pounds per hour and 17.26 tons per year

Carbon monoxide (CO) emissions shall not exceed 5.15 pounds per hour and 11.59 tons per year

Sulfur dioxide (SO2) emissions shall not exceed 1.13 pounds per hour and 2.54 tons per year

Particulate emissions (PE) shall not exceed 1.20 pounds per hour and 2.70 tons per year

Volatile organic compounds (VOC) emissions shall not exceed 1.39 pounds per hour and 3.13 tons per year

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 B.1 and B.2 below.

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.

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

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.

See A.2.b below.

Emissions Unit ID: **B001**

2. Additional Terms and Conditions

- 2.a** The hourly PE, NO_x, 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.
- 2.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.

B. 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.

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C. 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.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify each day when a fuel that did not meet the requirements of section B.1 of these terms and conditions was burned in this emissions unit.
2. These quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.
3. The permittee shall also submit annual reports that specify the total operating hours from this emissions unit for the previous calendar year (January through December). These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions 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

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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 $1 \text{ MM Btu} / 1 \times 10^6 \text{ Btu}$ 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:

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Facility ID: 1677011119

Emissions Unit ID: B001

VOC emissions shall not exceed 1.39 pounds per hour

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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:

Ohio

PTI A

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Emissions Unit ID: **B001**

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

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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).

F. Miscellaneous Requirements

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

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.

Emissions Unit ID: **B001**

* Even if notification of the proposed relocation is submitted 30 days prior to the scheduled relocation date, the emissions unit shall not be moved prior to receiving the "Notice of Site Approval".

2. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. Pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the director may issue a "Notice of Site Approval" for any pre-disclosed location(s) if the portable source meets the requirements of OAC rule 3745-31-05(E), as follows:
 - a. the portable source is operating pursuant to a currently effective permit to install (PTI) and/or any applicable permit to operate (PTO) and continues to comply with the requirements of this permit and any applicable state and/or federal rules;
 - b. the portable source has been issued a PTI and the permittee continues to comply with the requirements of the permit including any applicable best available technology (BAT) determination;
 - c. the portable source owner has identified the proposed site(s) to the Ohio EPA;
 - d. the Ohio EPA has determined that the portable source will have an acceptable environmental impact at the proposed site(s);
 - e. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site(s) is/are located;
 - f. the owner of the proposed site(s) (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(s); and
 - g. 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 approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

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. If the relocation of the portable source would result in the installation of a major stationary source or the

Ohio
PTI A

Emissions Unit ID: **B001**

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modification of a major stationary source, the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Also, pursuant to OAC rule 3745-31-05(F), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

* 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.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	
F001 - 350-ton per hour aggregate processing plant, with wet suppression at the crushing operations and the ability to be portable - Impactor Crushing Operations (the terms and conditions in this permit supercede the terms and conditions in PTI 16-02028 issued final on 6/07/2000).	
Crushing and Screening Operations - Pioneer crusher and screener	
	Material handling - conveyors, transfer points (6 belt conveyors), and loading into feed hopper.

Emissions Unit ID: **F001**

<u>Applicable Rules/Requirements</u>	40 CFR Part 60 Subpart OOO	<u>Applicable Emissions Limitations/Control Measures</u>
OAC rule 3745-31-05(A)(3)	40 CFR Part 60 Subpart OOO	Particulate emissions (PE) shall not exceed 4.17 pounds per hour and 18.26 tons per year.
OAC rule 3745-31-05(A)(3)	OAC rule 3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart OOO.
OAC rule 3745-31-05(A)(3)	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.
OAC rule 3745-17-07(B)	OAC rule 3745-17-07(B)	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See section A.2.b below.)
OAC rule 3745-17-07(B)	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 OOO.
OAC rule 3745-17-08(B)	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 OOO.
	40 CFR Part 60 Subpart OOO	No owner or operator shall cause

Ohio**PTI A**Emissions Unit ID: **F001****Issued: To be entered upon final issuance**

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.

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

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.2.d through A.2.f below.)

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 OOO.

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 OOO.

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.

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

2.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.

2.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.

2.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)

2.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.

- 2.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.
- 2.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).
- 2.g This facility shall not cause a nuisance per Ohio Administrative Code 3745-15-07.

B. Operational Restrictions

None

C. 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;

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- 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:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
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all	daily
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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 5.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
- a. each day during which an inspection was not performed by the required frequency;

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- 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. These quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of 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.

E. Testing Requirements

1. The permittee shall conduct emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 180 days after the final issuance of this permit.

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- 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 section A.2.c of these terms and conditions 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 Section A.2.c of these terms and conditions 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. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions 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:

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- 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, as a rolling, 12-month summation), 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).

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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 sections E.1 through E.4 of this permit.

F. Miscellaneous Requirements

1. The terms and conditions in this permit to install 16-02475 shall supercede all the air pollution control requirements for F001 in permit to install 16-02028.
2. The permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met and following the approval of the director. The director may issue a "Notice of Site Approval" if the portable source meets the following criteria pursuant to OAC rule 3745-31-03(A)(1)(p)(i):
 - a. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination and state and/or federal rules;

Emissions Unit ID: **F001**

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

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.

* Even if notification of the proposed relocation is submitted 30 days prior to the scheduled relocation date, the emissions unit shall not be moved prior to receiving the "Notice of Site Approval".

- 3. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. Pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the director may issue a "Notice of Site Approval" for any pre-disclosed location(s) if the portable source meets the requirements of OAC rule 3745-31-05(E), as follows:
 - a. the portable source is operating pursuant to a currently effective permit to install (PTI) and/or any applicable permit to operate (PTO) and continues to comply with the requirements of this permit and any applicable state and/or federal rules;
 - b. the portable source has been issued a PTI and the permittee continues to

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- comply with the requirements of the permit including any applicable best available technology (BAT) determination;
- c. the portable source owner has identified the proposed site(s) to the Ohio EPA;
 - d. the Ohio EPA has determined that the portable source will have an acceptable environmental impact at the proposed site(s);
 - e. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site(s) is/are located;
 - f. the owner of the proposed site(s) (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(s); and
 - g. 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 approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

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. If the relocation of the portable source would result in the installation of a major stationary source or the modification of a major stationary source, the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Also, pursuant to OAC rule 3745-31-05(F), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

* 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.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	areas (see Section A.2.b)	<u>Applicable Rules/Requirements</u>
F002 - paved and unpaved roadways - roadways.		OAC rule 3745-31-05(A)(3)
paved roadways and parking areas (see Section A.2.a)		OAC rule 3745-31-05(A)(3)
		OAC rule 3745-17-07 (B)(4)
		OAC rule 3745-17-08 (B), (B)(8), (B)(9)
unpaved roadways and parking		

Ohio
PTI A

Emissions Unit ID: **F002**

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OAC rule 3745-31-05(A)(3)

Applicable Emissions
Limitations/Control Measures

18.49 tons of particulate emissions (PE) per year

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 sections A.2.c and A.2.e through A.2.i.)

fugitive dust (See sections A.2.d through A.2.i.)

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

OAC rule 3745-17-07 (B)(5)

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).

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 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

2. Additional Terms and Conditions

- 2.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

- 2.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

- 2.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.

- 2.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.

- 2.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.

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- 2.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.
- 2.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.
- 2.h** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.i** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05(A)(3).
- 2.j** This facility shall not cause a nuisance per Ohio Administrative Code 3745-15-07.
- 2.k** 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.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

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<u>paved roadways and parking areas</u>	<u>minimum inspection frequency</u>
paved road	daily
<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
unpaved road	daily

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

The information required in 4.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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D. Reporting Requirements

1. The permittee shall submit deviation 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. These quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions 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:

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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.).

F. Miscellaneous Requirements

1. The permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met and following the approval of the director. The director may issue a "Notice of Site Approval" if the portable source meets the following criteria pursuant to OAC rule 3745-31-03(A)(1)(p)(i):
 - a. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination and state and/or federal rules;

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

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.

* Even if notification of the proposed relocation is submitted 30 days prior to the scheduled relocation date, the emissions unit shall not be moved prior to receiving the "Notice of Site Approval".

2. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. Pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the director may issue a "Notice of Site Approval" for any pre-disclosed location(s) if the portable source meets the requirements of OAC rule 3745-31-05(E), as follows:
 - a. the portable source is operating pursuant to a currently effective permit to install (PTI) and/or any applicable permit to operate (PTO) and continues to comply with the requirements of this permit and any applicable state and/or federal rules;
 - b. the portable source has been issued a PTI and the permittee continues to

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- comply with the requirements of the permit including any applicable best available technology (BAT) determination;
- c. the portable source owner has identified the proposed site(s) to the Ohio EPA;
 - d. the Ohio EPA has determined that the portable source will have an acceptable environmental impact at the proposed site(s);
 - e. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site(s) is/are located;
 - f. the owner of the proposed site(s) (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(s); and
 - g. 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 approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

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. If the relocation of the portable source would result in the installation of a major stationary source or the modification of a major stationary source, the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Also, pursuant to OAC rule 3745-31-05(F), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

* 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.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	(see Section A.2.a for identification of storage piles)	<u>Applicable Rules/Requirements</u>
F003 - storage piles, including load-in, load-out, wind erosion and initial crushing of material.		OAC rule 3745-31-05(A)(3)
initial crushing of material in storage piles - pulverizer		OAC rule 3745-31-05(A)(3)
	operation of vehicles on top of storage piles, excluding emissions from the combustion of fuels in such vehicles (i.e., pile working)	
load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)		OAC rule 3745-31-05(A)(3)
	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	
wind erosion from storage piles		OAC rule 3745-31-05(A)(3)

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	<u>Applicable Emissions Limitations/Control Measures</u>	
OAC rule 3745-31-05(A)(3)	<p>9.19 tons of particulate emissions (PE) per year</p> <p>Visible PE from any fugitive dust source shall not exceed ten percent opacity, as a three-minute average.</p>	<p>fugitive dust (See sections A.2.d , A.2.e, and A.2.h.)</p> <p>There shall be no visible particulate emissions except for a period of time not to exceed one minute in any sixty-minute observation period.</p>
OAC rule 3745-17-07(B)(6)	<p>The permittee shall employ wet suppression when the pulverizer is crushing material to minimize or eliminate visible emissions of fugitive dust.</p> <p>There shall be no visible particulate emissions except for a period of time not to exceed one minute in any sixty-minute observation period.</p>	<p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.2.f through A.2.h.)</p> <p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
OAC rule 3745-17-08(B),(B)(6)	<p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.2.b, A.2.c and A.2.h.)</p>	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
	<p>There shall be no visible particulate emissions except for a period of time not to exceed one minute in any sixty-minute observation period.</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of</p>	

2. Additional Terms and Conditions

- 2.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

- 2.b The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to maintain minimal drop heights for stackers, front-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.

- 2.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.
- 2.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.
- 2.e The above-mentioned control measure(s) shall be employed for wind erosion

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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.

- 2.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.
- 2.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.
- 2.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).
- 2.i** This facility shall not cause a nuisance per Ohio Administrative Code 3745-15-07.
- 2.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.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

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

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

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

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

- 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 pile working 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

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pile, wind erosion from the surface of a storage pile, and for pile working operations associated with the storage pile. 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 9.d. 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.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation 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. These quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

E. Testing Requirements

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

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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
- iii. 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).

F. Miscellaneous Requirements

1. The permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met and following the approval of the director. The director may issue a "Notice of Site Approval" if the portable source meets the following criteria pursuant to OAC rule 3745-31-03(A)(1)(p)(i):
 - a. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination and state and/or federal rules;
 - b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate

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the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation*;

- d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance in violation of OAC rule 3745-15-07; and 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; and
- e. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07 and the relocation will not result in the installation of a major stationary source or a modification of an existing major stationary source.

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.

* Even if notification of the proposed relocation is submitted 30 days prior to the scheduled relocation date, the emissions unit shall not be moved prior to receiving the "Notice of Site Approval".

- 2. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. Pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the director may issue a "Notice of Site Approval" for any pre-disclosed location(s) if the portable source meets the requirements of OAC rule 3745-31-05(E), as follows:
 - a. the portable source is operating pursuant to a currently effective permit to install (PTI) and/or any applicable permit to operate (PTO) and continues to comply with the requirements of this permit and any applicable state and/or federal rules;
 - b. the portable source has been issued a PTI and the permittee continues to comply with the requirements of the permit including any applicable best available technology (BAT) determination;
 - c. the portable source owner has identified the proposed site(s) to the Ohio EPA;

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- d. the Ohio EPA has determined that the portable source will have an acceptable environmental impact at the proposed site(s);
- e. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site(s) is/are located;
- f. the owner of the proposed site(s) (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(s); and
- g. 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 approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

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. If the relocation of the portable source would result in the installation of a major stationary source or the modification of a major stationary source, the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Also, pursuant to OAC rule 3745-31-05(F), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

* 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.