



Environmental  
Protection Agency

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

9/1/2010

Mr. John Dietrich  
S.R.I., INCORPORATED  
1550 SOLDIERS HOME-WEST CARROLLTON RD.  
Dayton, OH 45418

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

Facility ID: 0857041905  
Permit Number: P0092946  
Permit Type: Renewal  
County: Montgomery

Certified Mail

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

Dear Permit Holder:

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

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Kevin Boyce," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

If you have any questions, please contact Regional Air Pollution Control Agency at (937)225-4435 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc), by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: RAPCA





**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
S.R.I., INCORPORATED**

Facility ID: 0857041905  
Permit Number: P0092946  
Permit Type: Renewal  
Issued: 9/1/2010  
Effective: 9/1/2010  
Expiration: 9/9/2019





Division of Air Pollution Control
Permit-to-Install and Operate
for
S.R.I., INCORPORATED

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## Authorization

Facility ID: 0857041905

Application Number(s): A0024408, A0038522

Permit Number: P0092946

Permit Description: PTIO replacing PTI 08-04892 issued 12/6/2007 for B001, F005, and F006 (700 ton per hour concrete crusher and associated 1000 kW diesel-fired portable diesel generator, and aggregate storage piles); and replacing PTI 08-1255 for F001 (paved and unpaved roadways and parking areas).

Permit Type: Renewal

Permit Fee: \$0.00

Issue Date: 9/1/2010

Effective Date: 9/1/2010

Expiration Date: 9/9/2019

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

This document constitutes issuance to:

S.R.I., INCORPORATED  
1550 SOLDIERS HOME-WEST CARROLLTON RD.  
Dayton, OH 45418

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:

Regional Air Pollution Control Agency  
117 South Main Street  
Dayton, OH 45422-1280  
(937)225-4435

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: P0092946  
Permit Description: PTIO replacing PTI 08-04892 issued 12/6/2007 for B001, F005, and F006 (700 ton per hour concrete crusher and associated 1000 kW diesel-fired portable diesel generator, and aggregate storage piles); and replacing PTI 08-1255 for F001 (paved and unpaved roadways and parking areas).

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: Cummins 1000 kW diesel-fired generator for portable crusher  
Superseded Permit Number: 08-04892  
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F001**  
Company Equipment ID: construction and demolition debris landfill  
Superseded Permit Number: P0092944  
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F005**  
Company Equipment ID: Eagle Ultramax 1600-690C crusher  
Superseded Permit Number: 08-04892  
General Permit Category and Type: Not Applicable
- Emissions Unit ID: F006**  
Company Equipment ID: aggregate storage piles  
Superseded Permit Number: 08-04892  
General Permit Category and Type: Not Applicable

## **A. Standard Terms and Conditions**

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

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

**2. Who is responsible for complying with this permit?**

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

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

**3. What records must I keep under this permit?**

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

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

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

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

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

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

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

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

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

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

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

**7. What reports must I submit under this permit?**

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

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

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

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

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

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

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

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Regional Air Pollution Control Agency 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<sup>1</sup> a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

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

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

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

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

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

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated

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

under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

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

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

## **B. Facility-Wide Terms and Conditions**

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
  - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
    - (1) None.
  - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
    - (1) None.

## **C. Emissions Unit Terms and Conditions**



1. B001, Cummins 1000 kW diesel generator

Operations, Property and/or Equipment Description:

portable 1000 kW diesel-fired generator for portable crusher (installed after August 3, 2006)

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

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

a. b)(1)(c).

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	<p>The nitrogen oxides (NO<sub>x</sub>) emissions from this emissions unit shall not exceed 16.97 lb/hr. See b)(2)a.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(5)(a), 3745-18-06(B), and 3745-17-07(A)(1).</p> <p>The particulate emissions (PE) from this emissions unit shall not exceed 0.62 lb/hr and 0.85 tons/year.</p> <p>The sulfur dioxide (SO<sub>2</sub>) emissions from this emissions unit shall not exceed 0.36 lb/hr and 0.50 tons/year.</p> <p>The carbon monoxide (CO) emissions from this emissions unit shall not exceed 2.15 lb/hr and 2.96 tons/year.</p>

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		The organic compound (OC) emissions from this emissions unit shall not exceed 0.39 lb/hr and 0.54 tons/year.  See b)(2)b.
b.	OAC rule 3745-31-05(F), as effective 12/01/06	See b)(2)c.
c.	OAC rule 3745-31-05(E) (operating restriction to avoid air toxics modeling, state only enforceable)	The nitrogen oxides (NO <sub>x</sub> ) emissions from this emissions unit shall not exceed 23.33 tons/year.  See c)(2).
d.	OAC rule 3745-17-11(B)(5)(a)	The PE from this emissions unit shall not exceed 0.062 lb/mmBTU actual heat input. This limitation is equivalent to the limitation specified under OAC rule 3745-31-05(A)(3).
e.	OAC rule 3745-18-06(B)	See b)(2)d.
f.	OAC rule 3745-17-07(A)(1)	Except as provided by rule, visible particulate emissions from any stack shall not exceed twenty per cent opacity as a six-minute average.

(2) Additional Terms and Conditions

- a. The hourly NO<sub>x</sub> limitation is based on the emissions unit's potentials to emit. Therefore, no monitoring, record keeping, and reporting requirements are necessary to ensure ongoing compliance with these emission limitations.
- b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.
- c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.



The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE, SO<sub>2</sub>, CO and OC emissions from this air contaminant source since the uncontrolled potential to emit for PE, SO<sub>2</sub>, CO and OC is each less than 10 tons/year.

- d. This rule specifies fuel burning equipment, stationary gas turbines, jet engine test stands and stationary internal combustion engines which have rated heat input capacities equal to, or less than, ten MMBtu per hour total rated capacity are exempt from paragraphs (D), (F) and (G) of this rule and from rules 3745-18-07 to 3745-18-94 of the Administrative Code.
  - e. The annual PE, SO<sub>2</sub>, CO, and OC emissions from this emissions unit shall not exceed 0.85, 0.50, 2.96, and 0.54 tons per year, respectively, and are based on the operating restriction 2750 hours per year. These emissions limits do not reflect the potential to emit for the purposes of avoiding federal permitting requirements.
- c) Operational Restrictions
- (1) The permittee shall burn only No. 2 diesel fuel oil in this emissions unit.
  - (2) The maximum annual hours of operation for this emission unit shall not exceed 2750 hours per year.
- d) Monitoring and/or Recordkeeping Requirements
- (1) For each day during which the permittee burns a fuel other than No. 2 diesel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
  - (2) The permittee shall maintain record of the total hours of operation per year for this emissions unit.
- e) Reporting Requirements
- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
  - (2) The permittee shall identify in the annual permit evaluation report all exceedances of the following:
    - a. annual operating hour limitation; and
    - b. anytime fuel other than No. 2 diesel oil was used in this emissions unit during the 12-month reporting period for this emissions unit.

## f) Testing Requirements

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

## a. Emission Limitation:

The NO<sub>x</sub> emissions from this emissions unit shall not exceed 16.97 lb/hr and 23.33 tons/year.

## Applicable Compliance Method:

The hourly emission limitation was based upon the manufacturer's emission factor of 5.20 grams/HP-hour divided by 454 grams/lb and multiplying by the max brake horsepower of 1482 HP. The annual emission limitation was determined by multiplying the hourly emission rate limitation by the operating limitation of 2750 hrs/year and dividing by 2000 lb/ton. Compliance may be determined by the record keeping requirements specified in d)(2) of this permit.

## b. Emission Limitation:

The PE from this emissions unit shall not exceed 0.62 lb/hr and 0.85 tons/year.

## Applicable Compliance Method:

The hourly emissions limitation was based upon the manufacturer's emission factor of 0.19 grams/HP-hour divided by 454 grams/lb and multiplying by the max brake horsepower of 1482 HP. The annual emission limitation was determined by multiplying the hourly emission rate limitation by 2750 hrs/year and dividing by 2000 lb/ton.

## c. Emission Limitation:

The SO<sub>2</sub> emissions from this emissions unit shall not exceed 0.36 lb/hr and 0.50 tons/year.

## Applicable Compliance Method:

The hourly emissions limitation was based upon the manufacturer's emission factor of 0.11 grams/HP-hour divided by 454 grams/lb and multiplying by the max brake horsepower of 1482 HP. The annual emission limitation was determined by multiplying the hourly emission rate limitation by 2750 hrs/year and dividing by 2000 lb/ton.

## d. Emission Limitation:

The CO emissions from this emissions unit shall not exceed 2.15 lb/hr and 2.96 tons/year.

Applicable Compliance Method:

The hourly emissions limitation was based upon the manufacturer's emission factor of 0.66 grams/HP-hour divided by 454 grams/lb and multiplying by the max brake horsepower of 1482 HP. The annual emission limitation was determined by multiplying the hourly emission rate limitation by 2750 hrs/year and dividing by 2000 lb/ton.

e. Emission Limitation:

The OC emissions from this emissions unit shall not exceed 0.39 lb/hr and 0.54 tons/year.

Applicable Compliance Method:

The hourly emissions limitation was based upon the manufacturer's emission factor of 0.12 grams/HP-hour divided by 454 grams/lb and multiplying by the max brake horsepower of 1482 HP. The annual emission limitation was determined by multiplying the hourly emission rate limitation by 2750 hrs/year and dividing by 2000 lb/ton.

f. Emission Limitation:

The PE from this emissions unit shall not exceed 0.062 lb/mmBTU actual heat input.

Applicable Compliance Method:

Compliance with this emissions limitation is demonstrated by using the manufacturer's emission factor of 0.19 grams/HP-hour divided by 454 grams/lb multiplying by the max brake horsepower of 1482 HP and then dividing by the maximum heat input of 10mmBTU/hr for the engine.

g. Opacity Limitation:

The visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the visible emission limitation is demonstrated through the use of diesel fuel. If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the tests and procedures specified in USEPA Reference Method 9.

g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may

issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):

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

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

- (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) The terms and condition in this PTIO supersede PTI 08-04892 issued 12/6/2007 for this emissions unit.



**2. F001, construction and demolition debris landfill**

**Operations, Property and/or Equipment Description:**

Construction and demolition debris landfill with paved and unpaved roadways and parking areas (installed prior August 3, 2006)

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
landfill operations		
a.	OAC rule 3745-31-05(A)(3)	The visible emissions of non asbestos fugitive dust (load in and wind erosion) from the landfill operations shall not exceed 20% opacity as a 3 minute average.
b.	OAC rule 3745-17-07(B)(1)	The visible emission limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
paved and unpaved roadways and parking areas [See b)(2)a and b)(2)b.]		
c.	OAC rule 3745-31-05(A)(3) [PTI 08-1255 issued 11/12/1987]	The fugitive particulate emissions (PE) from paved and unpaved roadways and parking areas shall not exceed 2.28 tons/year.  There shall be no visible particulate emissions (PE) from paved roadways and



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>parking areas except for one minute during any 60-minute period.</p> <p>There shall be no visible particulate emissions (PE) from unpaved roadways and parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period.</p> <p>The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust See b)(2)c. through b)(2)h.</p>
d.	OAC rule 3745-17-07(B)(4) (applicable to paved roadways and parking areas; applicable if located in an area identified in Appendix A of OAC rule 3745-17-08)	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
e.	OAC rule 3745-17-07(B)(5) (applicable to unpaved roadways and parking areas; applicable only if located in an area identified in Appendix A of OAC rule 3745-17-08)	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
f.	OAC rule 3745-17-08(B) (applicable only if emissions units is located in an area identified in Appendix A of OAC rule 3745-17-08)	See b)(2)c. through b)(2)h.

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

application, the permittee has committed to treat the paved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies, and enforcement of a vehicle speed limit of 10 miles per hour vehicle speed to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- d. 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.
- e. 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.
- f. 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.
- g. 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.
- h. A speed limit of no more than 10 miles per hour shall be established, with speed limit signs posted and enforced by the permittee for all vehicles operating within the facility.
- 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 best available technology requirements of OAC rule 3745-31-05.
- j. In accordance with Administrative Findings and Orders issued to the permittee 11/04/2003, the permittee demolished the property that existed immediately to the north of the existing entrance gate to the landfill and regraded the property to allow water runoff to escape as there are no storm sewers. The permittee shall maintain the proper grade that will allow water runoff.
- k. In accordance with Administrative Findings and Orders issued to the permittee 11/04/2003, the permittee has installed asphalt pavement from Soldiers Home-



West Carrollton Road back 150 feet into the facility and approximately 60 feet wide for a total of 9,000 square feet. The permittee shall maintain asphalt pavement at the entrance of the facility.

- I. In accordance with Administrative Findings and Orders issued to the permittee 11/04/2003, the permittee has installed a sprinkler system along the 50 foot entrance way to the landfill which is to be and continuously operated. Exception to this requirement shall be made during periods when the landfill is closed, on days when SRI landfill is not accepting construction and demolition debris, during periods of rain, or when the entrance way to landfill is covered with ice/or snow. The permittee shall continuously maintain and operate the sprinkler system.
m. In accordance with Administrative Findings and Orders issued to the permittee 11/04/2003, the permittee shall, from the exit of the landfill, water and sweep 100 feet of the northbound and southbound sides of Soldiers Home-West Carrollton Road. These activities shall be performed as visual inspection indicated the presence of dust, but no less than twice per day. Exceptions to this frequency shall be made on days when the SRI landfill is not accepting construction and demolition debris, Soldiers Home-West Carrollton Road is covered with ice and/or snow, watering would cause icy road conditions, or the roadway has no vehicular traffic.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

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

paved roadways and parking areas minimum inspection frequency

all twice daily

unpaved roadways and parking areas minimum inspection frequency

all twice 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 shall collect and record the following information each day for this emissions unit:

- a. a log showing the date and whether or not each of the required inspections were performed;
- b. the reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
- c. where it was determined by the permittee that it was necessary to implement the control measures;
- d. when the control measures were implemented; and
- e. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(3)e. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- (2) The permittee shall identify in the annual permit evaluation report 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;
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented; and
  - c. 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 measure(s).

f) Testing Requirements

- (1) Compliance with the emission limitations in section b)(1) of the terms and conditions for this emissions unit shall be determined in accordance with the following method(s):
  - a. Emission Limitation:  
  
The visible emissions of non asbestos fugitive dust (load in and wind erosion) from the landfill operations shall not exceed 20% opacity as a 3 minute average.

Applicable Compliance Method:

Compliance with the visible emission limitation for landfill operation identified in this permit shall be determined in accordance with U.S. EPA Method 9 and procedures and the modification listed in OAC rule 3745-17-03(B)(3).

b. Emission Limitation:

The fugitive PE from paved and unpaved roadways and parking areas shall not exceed 2.28 tons/year.

Applicable Compliance Method:

Compliance with fugitive PE limitation shall be determined by using the emission factor equations in Section 13.2.1 for paved roadways, and using the emission factor equations in Section 13.2.2 for unpaved roadways, from the Compilation of Air Pollutant Emission Factors, AP 42, Fifth Edition, Volume 1 (revised 12/03). Should further updates in AP-42 occur, the most current equations for unpaved roads shall be used. Compliance with fugitive PE limitation shall be determined by the following:

- i. The PE for paved roadways and parking areas was calculated by multiplying an emission factor per vehicle mile traveled (VMT) derived from equation (1) in Chapter 13.2.1 of AP-42, Compilation of Air Pollution Emission Factors, Volume I; Stationary Point and Area Sources; Fifth Edition, December 2003, by the annual vehicle miles traveled (VMT), multiplying by a control factor of (1 - 0.96) for the application of water and/or other suitable dust suppression and a 10 mile per hour vehicle speed limit, and then dividing by 2000 pounds/ton.

[The maximum potential PE for paved roadways and parking areas was determined by multiplying 3.81 pounds per VMT by 404 annual VMT, multiplying by the control factor (1 - 0.96), then dividing by 2000 pounds/ton, and subtracting 0.0047 lb/VMT for fleet exhaust, brake & tire wear.]

- ii. The PE for unpaved roadways and parking areas was calculated by multiplying an emission factor per VMT derived from equations (1a) and (2) in Chapter 13.2.2 of AP-42, Compilation of Air Pollution Emission Factors, Volume I: Stationary Point and Area Sources; Fifth Edition, December 2003, by the annual VMT, multiplying by a control factor of (1 - 0.90) for the application of water and/or other suitable dust suppression and a 10 mile per hour vehicle speed limit, and then dividing by 2000 pounds/ton.

[The maximum potential PE for unpaved roadways and parking areas was determined by multiplying 7.74 pounds per VMT by 9042 annual VMT, multiplying by the control factor (1 - 0.90), dividing by 2000 pounds/ton, and then multiplying by  $[(365 - p)/365]$  for natural mitigation where  $p = 130$  number of days in year with at least 0.01 inch of precipitation.]

- iii. sum f)(1)b.i. through f)(1)b.ii. above.

[The annual allowable fugitive PE limitation was established by the sum of the maximum allowable PE determinations described above in items f)(1)b.i. through f)(1)b.ii.]

The control efficiencies for the application of water and/or suitable dust suppression and enforcement of a vehicle speed limit of 10 miles per hour is assumed to be 96% for the paved roadways and 90% for unpaved roadways determined from Ohio EPA Reasonably Available Control Measures (RACM) for Fugitive Dust document, 1980.

- c. Emission Limitation:

There shall be no visible particulate emissions (PE) from paved roadways and parking areas except for one minute during any 60-minute period.

Applicable Compliance Method:

Compliance with the visible emission limitation for the paved roadways and/or parking areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

- d. Emission Limitation:

There shall be no visible particulate emissions (PE) from unpaved roadways and parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:

Compliance with the visible emission limitation for the unpaved roadways and/or parking areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

- g) Miscellaneous Requirements

- (1) The terms and conditions in this PTIO supersede PTI 08-1255 issued 11/12/1987 for this emissions unit.

**3. F005, Eagle Ultramax 1600-690C crusher**

**Operations, Property and/or Equipment Description:**

Portable 700 ton per hour primary crusher skid plant with spray bar dust suppression system, including transfer conveyors and radial stackers (installed after August 3, 2006)

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	The particulate emissions (PE) from this emissions unit shall not exceed 1.62 lb/hr and 7.1 tons/year.  The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(B) and 3745-17-08(B).  See b)(2)b. through b)(2)d.
b.	OAC rule 3745-31-05(F), as effective 12/01/06	See b)(2)f.
c.	NSPS 40 CFR Part 60, Subpart OOO	The visible PE of fugitive dust shall not exceed 15% opacity, as a 6-minute average from the crushers.  The visible PE of fugitive dust shall not exceed 10% opacity, as a 6-minute average from any screens, conveyors and transfer points.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
d.	OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The opacity limitation specified by this rule is less stringent than the emission limitation established pursuant to NSPS 40 CFR Part 60, Subpart OOO.
e.	OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	See b)(2)c and b)(2)d.

(2) Additional Terms and Conditions

- a. The hourly PE limitation is based on the emissions unit's potential to emit. Therefore, no monitoring, record keeping, and reporting requirements are necessary to ensure ongoing compliance with these emission limitations.
- b. The permittee shall employ the following best available control measures for the above identified equipment and operations for the purpose of ensuring compliance with the above applicable requirements:
  - i. The use of a water spray dust suppression system at all times during operation of the crusher for the emissions unit.
  - ii. The aggregate materials processed through the equipment identified under this emissions unit shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust so that compliance with the PE requirements specified above is continuously maintained. If the moisture in the aggregate is not sufficient to comply with the PE requirements of this permit, the permittee shall apply water or other suitable dust suppressant, at appropriate locations in the production line.
- c. The permittee shall employ control measures on the crusher, screens, conveyors and transfer points for the purpose of ensuring compliance with the above-mentioned applicable visible emissions opacity limitations. In accordance with the permittee's application, the permittee has committed to maintain minimal drop heights for feed loading to the emission unit and use of a water spray dust suppression system at all times during operation of the emissions unit and the use of watering/sprinkling at sufficient treatment frequencies to ensure compliance. The aggregate materials processed through the equipment identified under this emissions unit shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the so that compliance with the opacity requirements specified above is continuously maintained. If the moisture in the aggregate is not sufficient to comply with the opacity requirements of this permit, the permittee shall apply water or other suitable dust suppressant, at appropriate locations in the production line. The operator shall avoid dragging any front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- d. 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 the crusher, screens, conveyors and transfer points that are covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- e. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply
- f. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE emissions from this air contaminant source since the uncontrolled potential to emit for PE is less than 10 tons/year.

Permit to Install and Operate P0092946 for this air contaminant source takes into account the following air pollution control equipment and procedures for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

- i. The use of a water spray dust suppression system at all times during operation of the crusher for the emissions unit.
  - ii. The aggregate materials processed through the equipment identified under this emissions unit shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust so that compliance with the PE requirements specified above is continuously maintained. If the moisture in the aggregate is not sufficient to comply with the PE requirements of this permit, the permittee shall apply water or other suitable dust suppressant, at appropriate locations in the production line.
- c) Operational Restrictions
- (1) None.

**d) Monitoring and/or Recordkeeping Requirements**

- (1) Except as otherwise provided in this section, the permittee shall perform daily inspections of the crushers, screens, conveyors and transfer points.
- (2) No inspections shall be necessary when the crushers, screens, conveyors and transfer points are covered with snow and/or ice 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 the next day.
- (3) The purpose of the inspection is to determine the need for implementing the above-mentioned control measures specified in this permit for crushers, screens, conveyors and transfer points. The inspections shall be performed during representative, normal crushing, screening, conveying and transfer points operating conditions.
- (4) The permittee shall collect and record the following information each day for this emissions unit:
  - a. a log showing the date and whether or not each of the required inspections were performed;
  - b. the reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation, and days when this emissions unit was not in operation;
  - c. where it was determined by the permittee that it was necessary to implement the control measures; and
  - d. when the control measures were implemented and the type of control implemented.
- (5) The permittee shall collect and record 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 shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.
- (6) The initial compliance demonstration to be completed within 60 days after reaching maximum production, and no later than 180 days after initial startup is required by 40 CFR 60 Subpart OOO. The visible emissions evaluations shall be performed at maximum production capacity and during dry weather conditions. Every effort shall also be made to conduct the visible emissions evaluations under conditions that represent a worst case normal operating scenario. The duration of the Method 9 observations shall be in accordance with the requirements of 40 CFR 60 Subpart OOO. A visible emissions evaluation was conducted by the permittee on September 9, 2009 satisfying this requirement.

## e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- (2) The permittee shall identify in the annual permit evaluation report 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;
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented; and
  - c. 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 measure(s).
- (3) Pursuant to NSPS 40 CFR Part 60, Subpart OOO, the permittee shall submit the following information for each piece of equipment that is replaced having the same function as the existing facility:
  - a. for a crusher, grinding mill, bucket elevator, bagging operation, storage bin, enclosed truck or railcar loading station:
    - i. the rated capacity in tons or tons per hour of the existing facility being replaced, and
    - ii. the rated capacity in tons or tons per hour of the replacement equipment.
  - b. for a conveyor belt:
    - i. the width of the existing conveyor belt being replaced, and
    - ii. the width of the replacement conveyor belt.
  - c. for a screening operation:
    - i. the total surface area of the top screen of the existing screening operation being replaced, and
    - ii. the total surface area of the top screen of the replacement, screening operation.
  - d. The permittee shall submit the date of manufacture of each existing facility being replaced and the date of manufacture of the replacement equipment.

The notification shall be submitted 30 days (or as soon as practicable) before construction of the replacement equipment is commenced.

f) Testing Requirements

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

a. Emission Limitation:

The PE from this emissions unit shall not exceed 1.62 lb/hr and 7.1 tons/year.

Applicable Compliance Method:

Compliance shall be determined by summing the maximum hourly emission rates for the crusher and the material handling equipment determined as follows:

- i. The maximum hourly emissions rate (0.84 lb/hr) for the crusher was determined by multiplying the maximum hourly production rate (700 tons/hr) by the controlled emissions factor of 0.0012 lb-PE/ton, as specified by USEPA reference document AP-42, "Compilation of Air Pollutant Emission Factors", 5<sup>th</sup> Edition, Table 11.19.2-2 (08/04).
- ii. The maximum hourly emission rate (0.78 lb/hr) for the conveyors and stacking material handling equipment was determined by multiplying the maximum hourly production rate (700 tons/hr) by the emission factor of 0.00014 lb-PM/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (08/04), and multiplying by the total number of transfer points (total 8 transfer points).
- iii. Sum of e)(1)a.i. + e)(1)a.ii. above.

The annual emission limitation was determined by multiplying the hourly emission rate from e)(1)a.iii. by 8760 hr/yr and then dividing by 2000 lb/ton.

b. Emission Limitation:

The visible PE of fugitive dust shall not exceed 15% opacity, as a 6-minute average from the crushers.

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Method 9 and NSPS 40 CFR 60.675 Subpart OOO. A visible emissions evaluation demonstrating compliance with this limitation was conducted by the permittee on September 9, 2009.

c. Emission Limitation:

The visible PE of fugitive dust shall not exceed 10% opacity, as a 6-minute average from any unsaturated screens and transfer points.

## Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Method 9 and 40 CFR 60.675 Subpart OOO. A visible emissions evaluation demonstrating compliance with this limitation was conducted by the permittee on September 9, 2009.

## g) Miscellaneous Requirements

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

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

- (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) The terms and conditions in this PTIO supersede PTI 08-04892 issued 12/6/2007 for this emissions unit.



4. F006, aggregate storage piles

Operations, Property and/or Equipment Description:

Portable aggregate storage piles, including load-in, load-out and wind erosion (installed after August 3, 2006)

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	The particulate emissions (PE) from this emissions unit shall not exceed 20.33 tons/yr.  The particulate matter of 10 microns or less (PM10) from this emissions unit shall not exceed 9.56 tons/year.  There shall be no visible PE of fugitive dust except for one minute during any 60-minute period.  The permittee shall utilize best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a. through b)(2)e.]
b.	OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	Appendix A of OAC rule 3745-17-08)	rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	[See b)(2)a. through b)(2)d.]

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee’s application, the permittee has committed to maintain minimal drop heights for stackers and front-loaders, and chemical stabilization/dust suppressants and/or watering/sprinkling systems at sufficient treatment frequencies 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 control measures to ensure compliance.

- b. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- c. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the application, the permittee has committed to perform one or more of the following: (chemical stabilization, watering/sprinkling systems/hoses, covering the storage piles) to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- e. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3).

## c) Operational Restrictions

- (1) None.

## d) Monitoring and/or Recordkeeping Requirements

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

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

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

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

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

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

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

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

- (6) The permittee shall collect and record the following information each day for this emissions unit:

- a log showing the date and whether or not each of the required inspections were performed
- 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;

- c. where it was determined the permittee that it was necessary to implement the control measures;
- d. when the control measures were implemented and the type of control implemented; and
- e. 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)(6)e. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- (2) The permittee shall identify in the annual permit evaluation report 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;
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented; and
  - c. 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 measure(s).

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:
  - a. Emission Limitation:

The PE from this emissions unit shall not exceed 20.33 tons/yr.

Applicable Compliance Method:

Compliance shall be determined by summing the annual emission rates for the load-in, load-out, and wind erosion for the storage piles determined as follows:

- i. The PE for load-in and load-out of storage piles (19.62 tons/year) was calculated by multiplying the emission factor of 0.0064 lbs PE/ton material [Equation 1 of Section 13.2.4 in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I, (January 1995)] by the maximum annual material throughput (6,132,000 ton/year), and then dividing by 2000 pounds/ton.
- ii. The PE for wind erosion (0.71 tons/year) for the surfaces of all storage piles was calculated by multiplying the emission factor of 9.22 lb/acre/day [Equation 4-9 from the EPA document 450/3-88-008 "Control of Open Fugitive Dust Sources," Section 4.1.3 (September 1988)] by the maximum surface area of the storage piles (0.42 acres) times 365 days, and then dividing by 2000 pounds/ton.
- iii. Sum f)(1)a.i. and f)(1)a. ii. above.

[The annual allowable PE limitation was established by the sum of the maximum allowable PE determinations described above in items f)(1)a.i. through f)(1)a.ii.]

b. Emission Limitation:

The PM<sub>10</sub> from this emissions unit shall not exceed 9.56 tons/year.

Applicable Compliance Method:

Compliance shall be determined by summing the annual emission rates for the load-in, load-out, and wind erosion for the storage piles determined as follows:

- i. The PM<sub>10</sub> for load-in and load-out of storage piles (9.20 tons/year) was calculated by multiplying the emission factor of 0.003 lbs PE/ton material [Equation 1 of Section 13.2.4 in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I, (January 1995)] by the maximum annual material throughput (6,132,000 ton/year), and then dividing by 2000 pounds/ton.
- ii. The PM<sub>10</sub> for wind erosion (0.36 tons/year) for the surfaces of all storage piles was calculated by multiplying the value in f)(1)a.ii above by 0.5, the fraction of PE that is PM<sub>10</sub> [EPA document 450/3-88-008 "Control of Open Fugitive Dust Sources," Section 4.1.3 (September 1988)].
- iii. Sum f)(1)b.i. and f)(1)b. ii. above.

[The annual allowable PM<sub>10</sub> limitation was established by the sum of the maximum allowable PE determinations described above in items f)(1)b.i. through f)(1)b.ii.]

c. Emission Limitation:

There shall be no visible PE of fugitive dust except for one minute during any 60-minute period.

Applicable Compliance Method:

Compliance with the visible emission limitation for the material storage piles areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

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

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

- (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) The terms and conditions in this PTIO supersede PTI 08-04892 issued 12/6/2007 for this emissions unit.