



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
MUSKINGUM COUNTY**

**CERTIFIED MAIL**

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049

**Application No: 06-06930**

**DATE: 11/5/2002**

S and S Aggregate Portable Plt 17  
Larry Young  
PO Box 1585 3570 South River Rd  
Zanesville, OH 437011585

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

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.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA

SEDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 11/5/2002  
Effective Date: 11/5/2002**

**FINAL PERMIT TO INSTALL 06-06930**

Application Number: 06-06930  
APS Premise Number: 0660010247  
Permit Fee: **\$5200**  
Name of Facility: S and S Aggregate Portable Plt 17  
Person to Contact: Larry Young  
Address: PO Box 1585 3570 South River Rd  
Zanesville, OH 437011585

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**3570 South River Rd  
Zanesville, Ohio**

Description of proposed emissions unit(s):  
**Paved and unpaved roadways and parking area.**

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

Director

**Part I - GENERAL TERMS AND CONDITIONS****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 Related to Monitoring and Recordkeeping 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 quarterly, i.e., 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, 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.

#### **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 application must be made to the Director for the installation or modification of any other emissions unit(s).

**12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available 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 thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

**S and S Aggregate Portable Plt 17**  
**PTI Application: 06-06930**  
**Issued: 11/5/2002**

**Facility ID: 0660010247**

**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>
PE	40.9
NOx	24.9
CO	5.4
SOx	1.7
OC	2.0

**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 - Plant 17 - 536 Hp Portable Diesel Generator	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(A)(1)
		OAC rule 3745-21-08 OAC rule 3745-23-06
		OAC rule 3745-18-06(B)
	OAC rule 3745-31-02(A)(2)	
	OAC rule 3745-17-11-(B)(5)(a)	

Applicable Emissions  
Limitations/Control Measures

Emissions of nitrogen oxides (NOx) shall not exceed 16.6 lbs/hr and 24.9 tons per year (TPY).

Emissions of carbon monoxide (CO) shall not exceed 3.6 lbs/hr and 5.4 TPY.

Emissions of organic compounds (OC) shall not exceed 1.3 lbs/hr and 2.0 TPY.

Emissions of sulfur oxides (SOx) shall not exceed 1.1 lbs/hr and 1.7 TPY.

Particulate emissions shall not exceed 1.1 lbs/hr and 1.7 TPY.

There shall be no visible particulate emissions (PE) from the stack.

PE from the stack shall not exceed 0.310 lb/MMBtu of actual heat input.

This emissions unit shall not exceed 3,000 hours of operation per year.

The requirements of this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3) above.

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

emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

See Section A.I.2.a.  
See Section A.I.2.a.

Exempt. See Section A.I.2.b.

## **2. Additional Terms and Conditions**

- 2.a** Based on the operational restriction the permittee has requested, the permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively 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, #06-06930.
- 2.b** OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 MMBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of 3.56 MMBtu/hr.

## **B. Operational Restrictions**

1. The permittee shall use only #2 fuel oil to run this emissions unit.
2. The maximum annual production schedule for this emissions unit shall not exceed 3,000 hours of operation, based upon a rolling, 12-month summation of operating hours.

To ensure compliance during the first 12 calendar months following the startup of emissions unit B001, the permittee shall not exceed the monthly cumulative restrictions specified in the following table:

Month	Maximum Allowable Cumulative Operating Hours
1	744
1-2	1488
1-3	2232
1-4	2976
1-5	3,000
1-6	3,000
1-7	3,000
1-8	3,000
1-9	3,000
1-10	3,000
1-11	3,000
1-12	3,000

After the first 12 calendar months following the startup of emissions unit B001, compliance with the annual operating restriction shall be based on a rolling, 12-month summation.

**C. Monitoring and/or Recordkeeping Requirements**

1. For each day during which the permittee burns a fuel other than #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain monthly records of the following information:
  - a. the operating hours for each month;
  - b. during the first 12 calendar months of operation following the issuance of this permit, the cumulative operating hours for each calendar month; and
  - c. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the hours of operation.
3. The permittee shall perform biweekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible 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 color of the emissions;
  - b. the total duration of any visible emission incident; and
  - c. any corrective actions taken to eliminate the visible emissions.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12 month hours of operation limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative operating hours limitation (as show in Section B.2 above). These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
3. The permittee shall submit quarterly deviation (excursion) reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
4. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03(A)(1)(p). (A copy of the form is attached to this permit.) Approval of the planned relocation must be obtained from the Southeast District Office prior to the relocation.

**E. Testing Requirements**

1. **Emission Limitation:**  
Emissions of NO<sub>x</sub> shall not exceed 16.6 lbs/hr and 24.9 TPY.

**Compliance Method:**

Compliance with this emission limitation shall be demonstrated by multiplying the output horsepower rating of this engine (536 horsepower) by the emission factor from "Compilation of Air Pollutant Emission Factors", Table 3.3-1 (10/96) for diesel fuel (0.031 lb NO<sub>x</sub>/hp-hr).

Annual emissions shall be determined by multiplying the hourly NO<sub>x</sub> emission rate of 16.6 lbs/hr by the total number of hours of operation each year.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

2. Emissions Limitation:

Emissions of CO shall not exceed 3.6 lbs/hour and 5.4 TPY.

Compliance Method:

Compliance with this emission limitation shall be demonstrated by multiplying the output horsepower rating of this engine (536 horsepower) by the emission factor from "Compilation of Air Pollutant Emission Factors", Table 3.3-1 (10/96) for diesel fuel (0.00668 lb CO/hp-hr).

Annual emissions shall be determined by multiplying the hourly CO emission rate of 3.6 lbs/hr by the total number of hours of operation each year.

3. Emission Limitation:

Emissions of OC shall not exceed 1.3 lbs/hour and 2.0 TPY.

Compliance Method:

Compliance with this emission limitation shall be demonstrated by multiplying the output horsepower rating of this engine (536 horsepower) by the emission factor from "Compilation of Air Pollutant Emission Factors", Table 3.3-1 (10/96) for diesel fuel (0.00247 lb OC/hp-hr).

Annual emissions shall be determined by multiplying the hourly OC emission rate of 1.3 lbs/hr by the total number of hours of operation each year.

4. Emissions Limitation:

Emissions of SO<sub>x</sub> shall not exceed 1.1 lbs/hour and 1.7 TPY.

Compliance Method:

Compliance with this emission limitation shall be demonstrated by multiplying the output horsepower rating of this engine (536 horsepower) by the emission factor from "Compilation of Air Pollutant Emission Factors", Table 3.3-1 (10/96) for diesel fuel (0.00205 lb SO<sub>x</sub>/hp-hr).

Annual emissions shall be determined by multiplying the hourly SO<sub>x</sub> emission rate of 1.1 lbs/hr by the total number of hours of operation each year.

5. Emission Limitation:

Particulate emissions shall not exceed 0.310 lb/MMBtu of actual heat input, 1.1 lbs/hr, and 1.7 TPY.

**S and S Aggregate Portable Plt 17**

**PTI Application: 06 06030**

**Issued**

**Facility ID: 0660010247**

**Emissions Unit ID: B001**

Compliance Method:

Compliance with this emission limitation shall be demonstrated by multiplying the maximum hourly heat input capacity of the emissions unit (3.56 Btu/hr) by the emission factor from "Compilation of Air Pollutant Emission Factors", Table 3.3-1 (10/96) for diesel fuel (0.31 lb PE/MMBtu).

Annual emissions shall be determined by multiplying the hourly PE emission rate of 1.1 lbs/hr by the total number of hours of operation each year.

6. Emission Limitation:  
There shall be no visible PE from the stack.

Compliance Method:

Compliance with the visible emission limitation shall be demonstrated by maintaining records as required in Section C.3. If visible emissions are noted in the visible emissions log each incident shall be reported as required in Section D.3. If required testing shall be conducted in accordance with Method 9 of 40 CFR Part 60, Appendix A and may be requested pursuant to OAC rule 3745-15-04(A).

#### **F. Miscellaneous Requirements**

None

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
F001 - Portable Plant Roadways and Parking Areas for Plant 17	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 29.0 tons per year.  No visible particulate emissions except for 3 minutes during any 60-minute period.  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.(see Sections A.2.b through A.2.g)  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)	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 3745-17-08 (B)(1) and (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); and see  
Sections A.2.b through A.2.g

## **2. Additional Terms and Conditions**

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

unpaved roadways:

all

unpaved parking areas:

all

- 2.b** 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 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 control measures to ensure compliance.
- 2.c** 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 an 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.
- 2.d** 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 using any combination of flushing, sweeping, and/or watering. 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 of no visible particulate emissions except for one minute during any 60-minute

period.

- 2.e** 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.f** 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.g** 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.

**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 unpaved roadways and parking areas in accordance with the following frequencies:

<u>unpaved roadways</u>	<u>minimum inspection frequency</u>
all	daily
<u>unpaved parking areas</u>	<u>minimum inspection frequency</u>
all	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 Ohio EPA Southeast District Office, 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 updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

#### **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.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03(A)(1)(p). (A copy of the form is attached to this permit.) Approval of the planned relocation must be obtained from the Southeast District Office prior to the relocation.

#### **E. Testing Requirements**

1. Emission Limitation:

No visible particulate emissions except for 3 minutes during any 60-minute period

Compliance Method:

Compliance with the emission limitation for the unpaved roadways and parking areas identified above 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

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**PTI Application: 06 06030**

**Issued**

**Facility ID: 0660010247**

**Emissions Unit ID: F001**

(B)(4)(d) of OAC rule 3745-17-03.

2. Emission Limitation:

Particulate emissions shall not exceed 29.0 tons per year.

Compliance Method:

The emission factor calculation for unpaved roadways and parking areas in AP-42 section 13.2.2 (September, 1998) shall be utilized to determine compliance. Initial compliance has been determined using inputs representing current conditions as follows:

$$E = \frac{[k(s/12)^a(W/3)^b[(365-p)/365]]}{(M/0.2)^c}$$

Where

E = size-specific emission factor (lb/VMT)  
s = silt content of road surface material (%) = 10.0 %  
W = mean vehicle weight (tons) = 25  
M = surface material moisture content (%) = 0.2%  
a = 0.8 (dimension less constant)  
b = 0.5 (dimension less constant)  
c = 0.4 (dimension less constant)  
k = 10 (dimension less constant) particle size multiplier  
p = 137 no. of rain days per year

Therefore, E = 15.4 lbs particulate/VMT

Maximum travel = 37,500 VMT/year

$(37,500 \text{ VMT/yr})(15.4 \text{ lbs/VMT}) = 577,500 \text{ lbs of particulate/year}$

$(577,500 \text{ lbs/year})(1 \text{ ton}/2000 \text{ lbs}) = 288.75 \text{ tons of particulate uncontrolled/year}$

Assume 90% control for roadway watering  
 $(288.75 \text{ tons/year})(0.10) = 28.9 \text{ tons of particulate controlled/year}$

**F. Miscellaneous Requirements**

None

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
F002 - Portable Aggregate Storage Piles for Plant 17, wind erosion from storage piles	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 1.3 tons per year.
	OAC rule 3745-17-07(B)(6)	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.f)
	OAC rule 3745-17-08 (B)	No visible particulate emissions except for a period of time not to exceed 13 minutes during any 60-minutes.  The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

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

storage pile identification  
all

- 2.b 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 permittee’s permit application, the permittee has committed to treat each storage pile 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 control measures to ensure compliance.
- 2.c 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.
- 2.d 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.

**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 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

- 2. 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.

3. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
4. The permittee may, upon receipt of written approval from the Ohio EPA Southeast District Office, 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.
5. 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 5.d. 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.

#### **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.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03(A)(1)(p). (A copy of the form is attached to this permit.) Approval of the planned relocation must be obtained from the Southeast District Office prior to the relocation.

#### E. Testing Requirements

1. Emission Limitation:

No visible particulate emissions except for a period of time not to exceed 13 minutes during any 60-minutes.

Compliance Method:

Compliance with the visible emission limitations for the storage piles identified above 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)(c) of OAC rule 3745-17-03.

2. Emission Limitation:

Particulate emissions shall not exceed 1.3 tons per year.

Compliance Method:

Compliance with the fugitive particulate emission limitations from wind erosion from the storage piles identified above shall be determined using US EPA's recommended emission factor equation for storage-pile wind erosion, found in the "Air Pollution Engineering Manual", 1992, found in Chapter 4 on Fugitive Emissions:

$$E = 1.7 \times (s/1.5) \times [(365-p)/235] \times (f/15)$$

$$E_w = E \times 365 \times A \times 1 \text{ ton}/2,000 \text{ lbs}$$

where:

E = particulate emissions in lbs/day/acre

E<sub>w</sub> = total annual particulate emission rate, E x 365 days/year x 1 ton/2000 lbs;

s = silt content of the stored material, weight percent, 7.1 %\*;  
p = number of days with > 0.01 inch of precipitation per year, 137 days;  
f = percentage of time wind speed exceeds 12 mph, 28 %; and  
A = total surface area of storage piles, 0.5 acre.

$E = 14.57 \text{ lbs/day/acre}$ , and  $14.57 \text{ lbs/day} \times 0.5 \text{ acre} = 7.28 \text{ lbs/day}$

$E_w = 7.3 \text{ lbs/day} \times 365 \text{ days/yr} \times 1 \text{ ton}/2000 \text{ lbs} = 1.33 \text{ tons/yr}$

\* % silt content from AP-42 Table 13.2.2-1

**F. Miscellaneous Requirements**

None

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
F003 - Plant 17 - Portable Crusher and Screening Operations, along with associated conveyors and transfer points	OAC rule 3745-31-05(A)(3)	Total particulate emissions (PE) shall not exceed a 5.3 tons per year.
		The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO.
		best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.h)
	40 CFR 60 Subpart OOO	See A.2.a. below.
		See A.2.b. below.
	OAC rule 3745-17-07 (B)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to the requirement specified in OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-17-08 (B)	The emission limitation specified by this rule is less stringent than the emission limitation established

pursuant to the requirement  
specified in OAC rule 3745-31-05  
(A)(3).

## **2. Additional Terms and Conditions**

- 2.a** No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any transfer point or the belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity.
- 2.b** 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.
- 2.c** The permittee shall employ best available control measures for the Plant 17 Portable Crushing/Screening Operation 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 install water sprays and/or enclosures at transfer points and screens to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.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 if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.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 best available technology requirements of OAC rule 3745-31-05.
- 2.f** The crushing screening operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:
- Primary Crusher
  - Primary Screener
  - Grizzly Feeder
  - Conveyors and transfer points
- 2.g** The permittee shall employ best available control measures for the above-identified

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crushing/screening 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:

<u>crushing/screening operation(s)</u>	<u>control measure(s)</u>
Primary Crusher	watering and good operating practices
Primary Screener	watering and good operating practices
Grizzly Feeder	watering and good operating practices
Conveyors and transfer points	watering and good operating practices

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

- 2.h** 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.i** 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 rules 3745-17-08 and 3745-31-05.
- 2.j** The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

## **B. Operational Restrictions**

None

## **C. Monitoring and/or Recordkeeping Requirements**

1. Except as otherwise provided in this section, for crushing/screening 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>
Primary Crusher	daily

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Primary Screen	daily
Grizzly Feeder	daily
Conveyors and transfer points	daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the Ohio EPA Southeast District Office, 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;
  - 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 4.d. shall be kept separately for each crushing/screening operation identified above, 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 deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency; and
  - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03(A)(1)(p). (A copy of the form is attached to this permit.) Approval of the planned

relocation must be obtained from the Southeast District Office prior to the relocation.

3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
  - a. construction date (no later than 30 days after such date);
  - b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
  - c. actual start-up date (within 15 days after such date); and
  - d. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency  
 DAPC - Permit Management Unit  
 P. O. Box 163669  
 Columbus, Ohio 43216-3669

and

Southeast District Office of the Ohio EPA  
 Division of Air Pollution Control  
 2195 Front Street  
 Logan, Ohio 43138.

## **E. Testing Requirements**

1. Emission limitation-

Visible emissions of fugitive dust discharging from the transfer points and conveyor shall not exceed 10% opacity.

Applicable Compliance Method-

Compliance with the visible emission limits shall be determined in accordance with Test Method 9 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.

2. Emission limitation-

Visible emissions of fugitive dust discharging from the crusher shall not exceed 15% opacity.

Applicable Compliance Method-

Compliance with the visible emission limits shall be determined in accordance with Test Method 9 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.

3. Emission limitation-

Total particulate emissions shall not exceed 5.3 tons per year.

Applicable Compliance Method-

Aggregate Plant

Total tons particulate controlled / year emitted is calculated as follows:

Emission Points

Screening: (Moisture content > 1.5%)

Primary Screen:

$(0.0018 \text{ lb particulate/ton}) \times (250 \text{ tons/hr}) = 0.45 \text{ lb/hr emission rate}$

$(0.45 \text{ lb/hr})(8760 \text{ hr/ year}) (1 \text{ ton /2000 pounds}) = 1.97 \text{ TPY}$

Grizzly Feeder:

$(0.0018 \text{ lb particulate/ton}) \times (250 \text{ tons/hr}) = 0.45 \text{ lb/hr emission rate}$

$(0.45 \text{ lb/hr})(8760 \text{ hr/ year}) (1 \text{ ton /2000 pounds}) = 1.97 \text{ TPY}$

Primary Crushing: (Moisture content > 1.5%)

$(0.0012 \text{ lb particulate/ton}) \times (250 \text{ tons/hr}) = 0.3 \text{ lb/hr emission rate}$

$0.3 \text{ lb/hr}(8760 \text{ hr/ year})(1 \text{ ton /2000 pounds}) = 1.31 \text{ TPY}$

Total Emissions from crushing/screening operations =  $1.97 + 1.97 + 1.31 = \underline{5.25 \text{ TPY}}$

**F. Miscellaneous Requirements**

None

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
F004 - Material Handling - Load-in, Load-out of storage piles for Portable Plant 17	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 3.6 tons per year.  No visible particulate emissions except for 1 minute during any 60-minute period.  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.f).
	OAC rule 3745-17-08(B)	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)(6)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

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- 2.a** The permittee shall employ best available control measures on all material handling and load-in and load-out operations 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 load-in and load-out material(s) with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.b** The above-mentioned control measure(s) shall be employed for each material handling and load-in and load-out operation 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 material handling, load-in, and load-out operations until further observation confirms that use of the control measure(s) is unnecessary.
- 2.c** 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.

**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>
all	daily

3. Except as otherwise provided in this section, the permittee shall perform inspections of each material handling operation in accordance with the following frequencies:

<u>Material Handling Operation</u>	<u>minimum inspection frequency</u>
all	daily

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4. 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, or transfer point. The inspections shall be performed during representative, normal operating conditions.
5. The permittee may, upon receipt of written approval from the Ohio EPA Southeast District Office, 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.
6. 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 6.d. shall be kept separately for each crushing/screening operation identified above, 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 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.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30

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days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03(A)(1)(p). (A copy of the form is attached to this permit.) Approval of the planned relocation must be obtained from the Southeast District Office prior to the relocation.

## **E. Testing Requirements**

### 1. Emission Limitation:

Particulate emissions shall not exceed 3.6 tons per year.

The emission factor calculation for load-in and load-out of storage piles in AP-42 section 13.2.4 for Aggregate Handling and Storage Piles (January, 1995) shall be utilized to determine compliance. Initial compliance has been determined using inputs representing current conditions as follows:

$$E = k (0.0032)[(U/5)^{1.3}/(M/2)^{1.4}]$$

E = emission factor expressed in pounds (lbs) / ton

k = particle size multiplier (dimension less) = 0.74

U = mean wind speed expressed in miles per hour (MPH) = 10

M = material moisture content (%) = 3

$$E = 0.0033052 \text{ pound/ton}$$

Assuming a maximum potential throughput of 2,190,000 tons per year.

### 2. Emission Limitation:

No visible particulate emissions except for 1 minute during any 60-minute period.

Compliance Method:

Compliance with the visible emission limitations for the storage piles identified above 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)(c) of OAC rule 3745-17-03.

## **F. Miscellaneous Requirements**

None